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JUNE 1977 SUMMARY



FEDERAL MILK ORDER MARKET STATISTICS

JUNE HIGHLIGHTS

MINIMUM CLASS I PRICE, \$10.75; BLEND, \$9.55

PRODUCER DELIVERIES UP 1.3 PERCENT

PRODUCER MILK USED IN CLASS I UP 1.4 PERCENT

49 PERCENT OF DELIVERIES USED IN CLASS I

IN-AREA FLUID MILK SALES (ADJUSTED) UP 1.6 PERCENT

* * * * * * * * * * * * * * * *
* *
* SPECIAL THIS ISSUE - Page 35 *
* *
* Adjusting in-area sales data *
* for calendar composition *
* * * * * * * * * * * * * * * *

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* SPECIAL THIS ISSUE - Page 40 *
* *
* Fluid milk processing plants *
* owned by cooperatives in Federal *
* Milk Order Marketing Areas *
* * * * * * * * * * * * * * * *

PRODUCTION
AND MARKETING
RECORD

SEP 13 '77

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
DAIRY DIVISION
WASHINGTON, D.C.

ISSUED - August 1977

FMOS - 210

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FEDERAL MILK ORDER MARKET STATISTICS

Summary of prices, deliveries, and deliveries used in Class I

Year	No.	Average number of markets	Producer deliveries	Change from prev. year 1/ per producer	Average deliveries	Deliveries from Class I	Change from prev. year 1/ utilization	Class I utilization	Prices per 100 pounds (3.5 percent)	
	No.	Number	Bil. lb.	Pct.	Pounds	Bil. lb.	Pct.	Percent	Dollars	Blend
1972	62	136,881	68.7	1.5	1,372	40.9	2.0	60	7.10	6.31
1973	61	131,565	66.2	-3.6	1,386	40.5	-1.0	61	8.03	7.31
1974	61	126,094	67.8	2.3	1,473	39.3	-3.0	58	9.35	8.36
1975	56	129,855	69.2	2.2	1,532	40.1	2.1	58	9.36	8.64
1976	50	122,770	74.6	7.4	1,659	41.0	1.9	55	10.70	9.75

1/ Percentages computed from unrounded pounds.

Year and month	No.	Number of comp. markets	Producer deliveries	Change from prev. year 1/ per producer	Average daily deliveries	Deliveries used in Class I	Change from prev. year 1/ utilization	Class I utilization	Prices per 100 pounds (3.5 percent)	
	No.	Number	Bil. lb.	Pct.	Pounds	Bil. lb.	Pct.	Percent	Dollars	Blend
1977: 2/	46	107,058	5.5	3.2	1,671	1,584	3.2	-3.2	58	62
Jan.	46	106,227	5.1	2.9	1,724	1,696	2.9	2.9	57	57
Feb.	46	106,309	5.9	2.8	1,788	1,701	3.3	-7	56	58
Mar.	46	105,702	5.9	2.7	1,871	1,777	3.1	-1.7	52	54
Apr.	42	101,816	6.1	1.5	1,940	1,844	3.0	-5	49	50
May	42	101,588	5.8	1.3	1,908	1,816	2.8	1.4	49	49
June										
July										
Aug.										
Sep.										
Oct.										
Nov.										
Dec.										
Year to date 3/	—	104,783	33.9	2.2	1,788	1,702	18.1	-4	54	55

1/ Percentages computed from unrounded pounds. Data for February 1976 adjusted to a 28-day basis before computing percentage changes.
 2/ Excludes Upper Midwest, Tennessee Valley, Greater Louisiana, and New Orleans-Mississippi, January to present. Excludes Iowa, May to present.

3/ Average or total.

Summary of milk, skim milk, and cream utilized in manufactured products and uses 1/

	BUTTER	CHEESE	FROZEN DESSERTS	COTTAGE CHEESE	SKIM MILK POWDER	TOTAL <u>2/</u>
No.	Percent	Percent	Percent	Percent	Percent	Percent
Year	No. of mkt\$:	Mil. :Change: over : Bf. : prev. : year3:/	Mil. :Change: over : Bf. : prev. : year3:/	Mil. :Change: over : Bf. : prev. : year3:/	Mil. :Change: over : Bf. : prev. : year3:/	Mil. :Change: over : Bf. : prev. : year3:/
1973	61	952 -13.6 39.2 : 7,631 8.5 3.83 : 2,540 - 3.2 10.9 : 4,535 - 6.4 1.11 : 5,151 -22.5 0.05 : 27,914 - 4.0 4.29				
1974	61	1,026 2.4 37.2 : 10,878 41.3 3.78 : 2,534 3.8 11.3 : 4,046 - 7.8 1.15 : 5,932 15.3 .07 : 30,844 10.6 4.28				
1975	56	984 -1.4 38.2 : 11,621 7.4 3.80 : 2,868 16.5 11.7 : 4,126 - 1.5 1.11 : 5,926 -.1 .07 : 31,397 4.2 4.38				
1976 <u>4/5/</u>	49	984 13.8 40.9 : 13,339 26.8 3.75 : 2,672 3.3 11.8 : 3,289 7.2 1.09 : 6,043 15.0 .08 : 31,209 14.1 4.46				
1977 <u>5/</u>						
Jan.	49	110 28.1 41.8 : 1,158 26.0 3.96 : 164 3.7 13.5 : 245 0.7 1.09 : 481 37.7 0.10 : 2,551 19.2 5.04				
Feb. <u>4/</u>	49	98 26.0 42.3 : 1,113 23.9 3.88 : 179 6.2 12.7 : 251 4.9 1.10 : 463 19.1 .09 : 2,493 18.6 4.85				
Mar. <u>49</u>	101	21.3 41.9 : 1,317 22.6 3.79 : 242 3.4 12.0 : 307 - 2.6 1.08 : 573 26.5 .08 : 2,985 15.5 4.59				
Apr. <u>49</u>	103	19.2 40.6 : 1,459 22.4 3.71 : 238 - .2 11.5 : 284 - 6.6 1.05 : 673 19.2 .07 : 3,213 13.4 4.29				
May <u>6/</u>	46	110 12.9 38.2 : 1,553 18.6 3.66 : 270 8.8 11.0 : 303 -.2 1.10 : 770 12.2 .07 : 3,495 12.1 4.44				
June						
July						
Aug.						
Sept.						
Oct.						
Nov.						
Dec.						
Year to date	—	522 21.4 40.9 : 6,600 22.4 3.79 : 1,092 4.3 12.0 : 1,391 - 1.0 1.08 : 2,960 20.6 .08 : 14,736 15.5 4.54				

1/ Includes producer milk and some other source milk used to produce manufactured dairy products in regulated pool plants as well as milk diverted and shipped to non-order plants for processing. Some data are partially estimated.

2/ Includes, in addition to listed manufactured products, milk, skim milk, and cream used in other manufactured products, i.e. evaporated milk, condensed milk, whole milk powder, aerated, and frozen plastic cream; and, milk, skim milk, and cream used in food products as well as used in animal feed, dumped or spilled, plant loss and unidentified.

3/ Percentage changes over previous year are based on pounds of butterfat, except for skim milk powder which are based on pounds of product.

4/ Data for February 1976 adjusted to a 28-day basis before computing percentage changes.

5/ Excludes New York-New Jersey.

6/ The decreased number of markets reflects the merger of Cedar Rapids-Iowa City, North Central Iowa, Quad Cities-Dubuque, and Des Moines. See "Major Order Actions, May 1977 in FMOS - 209, May 1977.

Summary of packaged sales of fluid milk products in marketing areas defined by Federal milk orders 1/

1977 71

January	: 49	:	1,937	:	- 6.3 :	- 2.8	:	3.35 ::	1,082 ::	:	3.2	:	7.7	:	1.50 ::	3,020 ::	:	2,903 ::	:	- 3.1 ::	:	0.7	:	2.69		
February	: 49	:	1,746	:	- 6.6 :	- 3.0	:	3.34 ::	995 ::	:	5.7	:	1.48 ::	1.48 ::	:	2,868 ::	:	2,740 ::	:	2,868 ::	:	- 2.9 ::	:	- 5.1	:	2.67
March	: 49	:	1,946	:	- 4.0 :	- 4.0	:	3.34 ::	1,121 ::	:	7.5	:	1.48 ::	1.48 ::	:	3,066 ::	:	2,902 ::	:	- 3.3 ::	:	- 6.6 ::	:	- 1.0	:	2.66
April	: 49	:	1,848	:	- 4.0 :	- 4.3	:	3.33 ::	1,066 ::	:	5.7	:	1.48 ::	1.48 ::	:	2,944 ::	:	2,852 ::	:	- 6.6 ::	:	- 1.0 ::	:	2.65		
May 2/	: 46	:	1,813	:	- 3.7 :	- 3.1	:	3.33 ::	1,040 ::	:	6.8	:	7.7	:	1.48 ::	2,853 ::	:	2,902 ::	:	- 1.1 ::	:	.4	:	2.66		
June 10/	: 46	:	1,702	:	- 1.4 :	- 1.7	:	3.33 ::	979 ::	:	7.6	:	7.4	:	1.49 ::	2,682 ::	:	2,929 ::	:	1.7 ::	:	1.6	:	2.66		

ATOMIC

Sternherz August

October

November 1968

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1/ In-area sales represent total sales in each of the areas by handlers regulated under the respective orders. by handlers regulated

Sales routes of handlers may extend outside defined under other orders, by partially regulated handlers, and by producer-handlers.

marketing areas; therefore, some handler in-area sales are partially estimated.

Plain, and flavored whole milk.

Data for February 1976 adjusted to a 28-day basis before
comparable markets in both years.

Computing percentage changes.

5/ Adjusted to eliminate variations in data due to calendar composition and seasonality. See special article in this issue, page 35.

⁶ Excludes the New York-New Jersey, Fort Smith, Lake Mead, Western Colorado, and Mississippi markets.

Excludes the New York-New Jersey market.

The decreased number of comparable marketable new houses in the New Orleans-Tulane area reflects the mercantile market's reaction to the recent decline in the price of lumber.

See "Major Order Actions," May 1977, in *Eros* - 208, May 1977.

10 / Estimated.

Table 1.—Federal order fluid differentials, July and August 1977; minimum Class I prices for milk of 3.5 percent butterfat content f.o.b. market or other indicated point* and butterfat differentials, July 1976 and 1977; and Class I price, August 1976 and 1977.

Marketing area	Marketing area											
	1/	July			August			1/	July			August
		Dollars	Cents	Dollars		Dollars	Cents		Dollars	Cents	Dollars	
NEW ENGLAND New England	2.98	11.60	11.28	11.6	12.2	11.58	11.30	WEST NORTH CENTRAL -Con.				
MIDDLE ATLANTIC New York-New Jersey Middle Atlantic	2.64	11.26	10.94	11.6	12.2	11.24	10.96	Southern Group				
	2.78	11.40	11.08	11.6	12.2	11.38	11.10	St. Louis-Osarks	1.60	10.22	9.90	11.6
SOUTH ATLANTIC								Greater Kansas City	1.74	10.36	10.04	11.6
Tampa Bay	2.95	11.57	11.25	7.5	7.5	11.55	11.27	Neosho Valley	1.65	10.27	9.95	11.6
Southeastern Florida	3.15	11.77	11.45	7.5	7.5	11.75	11.47	Wichita	1.80	10.42	10.10	11.6
Upper Florida	2.85	11.47	11.15	7.5	7.5	11.45	11.17					
Georgia	2.30	10.92	10.60	11.6	12.2	10.90	10.62	EAST SOUTH CENTRAL				
								Paducah	1.70	10.32	10.00	11.6
EAST NORTH CENTRAL Eastern Group								Nashville	1.85	10.47	9.88	11.6
Southern Michigan	1.60	10.22	9.90	11.4	11.9	10.20	9.92	Memphis	1.94	10.56	10.24	11.6
Eastern Ohio-W. Pa.	1.85	10.47	10.15	11.6	12.2	10.45	10.17	Oklahoma Metropolitan	2.10	10.72	10.40	11.6
Ohio Valley	1.70	10.32	10.00	11.6	12.2	10.30	10.02	Red River Valley				
Western Group								Tennessee Valley 5/				
Mich. Upper Penin.	1.35	9.97	9.65	12.5	11.9	9.95	9.67	Northern Group				
Chicago Regional	1.26	9.88	9.56	11.6	12.2	9.86	9.58	Central Arkansas	1.94	10.56	10.24	11.6
Louis-Lex.-Evans.	1.70	10.32	9.79	11.6	12.2	10.30	9.81	Fort Smith	1.95	10.57	10.25	11.6
Indiana	1.47	10.09	9.77	11.6	12.2	10.07	9.79	Oklahoma Metropolitan	1.98	10.60	10.28	11.6
Southern Illinois	2/1.53	10.15	9.83	11.6	12.2	10.13	9.85	Red River Valley	2.20	10.82	10.50	11.6
Central Illinois	1.39	10.01	9.69	11.6	12.2	9.99	9.71	Texas Panhandle	2.25	10.87	10.55	11.6
WEST NORTH CENTRAL Northern Group								Lubbock-Plainview	2.42	11.04	10.72	11.6
Upper Midwest	1.12	9.74	9.42	11.6	12.2	9.72	9.44	Southern Group				
Eastern South Dakota	1.40	10.02	9.70	11.6	12.2	10.00	9.72	Greater Louisiana	2.47	11.09	10.77	11.6
Black Hills	1.95	10.57	10.25	12.0	11.4	10.55	10.27	New Orleans-Mississippi	2.85	11.47	11.15	11.6
Iowa 3/	1.40	10.02	9.70	11.6	12.2	10.00	9.72	Texas	2.32	10.94	10.62	11.6
Nebr.-Western Iowa	1.60	10.22	9.90	11.6	12.2	10.20	9.92	MOUNTAIN				
								Eastern Colorado	2.30	10.92	10.60	13.0
								Great Basin	1.90	10.52	10.20	12.0
								Western Colorado	2.00	10.62	10.30	12.0
								Central Arizona	2.52	11.14	10.82	11.6
								Rio Grande Valley	2.35	10.97	10.65	11.6
								Lake Head	1.60	10.22	9.90	12.0
								PACIFIC				
								Puget Sound	1.85	10.47	10.15	11.6
								Inland Empire	1.95	10.57	10.25	12.3
								Oregon-Washington	1.95	10.57	10.25	12.0

* Generally the major city in the marketing area. See footnotes on table 2 for location.

1/ The basic formula price is the Minnesota-Wisconsin price for the second preceding month adjusted to a 3.5 percent butterfat content.

2/ Tied to the St. Louis-Ozarks order.
3/ Effective May 1, 1877 the Ninth Com-

2 Effective May 1, 1977 the North Central Iowa, Cedar Rapids-Iowa City, Quad Cities-Dubuque, and Des Moines markets were merged to form Iowa. The date shown for the previous year represent what the prices would have been had the order been in effect at those times.

4/ Tied to the Oklahoma Metropolitan order.

5/ The data shown for the previous year rep

2) The data shown for the previous year represent what the prices would have been had the order been in effect at those dates.

TABLE 2.-FEDERAL ORDER MINIMUM CLASS AND BLEND PRICES FOR MILK OF 3.5 PERCENT BUTTERFAT CONTENT, F.O.D. MARKET DR OTHER INDICATED POINT*, AND BUTTERFAT DIFFERENTIALS, JUNE**

MARKETING AREA	PRICES PER 100 POUNDS							FAT DIFFERENTIAL J.18							
	CLASS I		BLEND		CLASS II	CLASS III	CLASS I	CLASS II	CLASS III	BLEND					
	JUNE 1977	JUNE 1976	JUNE 1977	JUNE 1976	JUNE 1977	JUNE 1977	JUNE 1977								
DOLLARS															
CENTS															
NEW ENGLAND															
NEW ENGLAND 1/	11.58	11.42	9.84	9.60	8.55	---	11.6	11.6	---	---	11.6				
AVERAGE 2/	11.58	11.42	9.84	9.60	---	---	11.6	---	---	---	11.6				
MIDDLE ATLANTIC															
NEW YORK-NEW JERSEY 3/	11.24	11.08	9.33	9.12	8.57	---	11.6	11.6	---	---	11.6				
MIDDLE ATLANTIC 4/	11.38	11.22	5/ 10.24	5/ 9.85	8.51	---	11.6	11.6	---	---	11.6				
AVERAGE 2/	11.30	11.14	9.56	9.37	---	---	11.6	---	---	---	11.6				
SOUTH ATLANTIC															
TAMPA BAY	11.55	11.39	11.42	10.96	8.75	---	7.5	11.6	---	---	8.8				
SOUTHEASTERN FLDRIDA 6/	11.75	11.59	11.69	11.23	8.75	7/ 4.55	7.5	11.6	11.6	8.7					
UPPER FLDRIDA 8/	11.45	11.29	11.50	10.95	8.75	---	7.5	11.6	---	8.4					
GEORGIA 9/	10.90	10.74	10.29	10.07	8.70	8.60	11.6	11.6	11.6	11.6					
AVERAGE 2/	11.32	11.16	10.99	10.65	---	---	9.1	---	---	9.9					
EAST NDRTH CENTRAL															
EASTERN GRUP															
SOUTHERN MICHIGAN 10/	10.20	10.04	9.42	9.23	8.75	8.50	11.4	11.4	11.4	11.4					
EASTERN OHIO-WESTERN PA. 11/	10.45	10.29	12/ 9.26	12/ 9.02	8.70	8.50	11.6	11.6	11.6	11.6					
OHIO VALLEY 13/	10.30	10.14	9.30	9.09	8.70	8.50	11.6	11.6	11.6	11.6					
AVERAGE 2/	10.31	10.15	9.33	9.12	---	---	11.5	---	---	11.5					
WESTERN GROUP															
MICHIGAN UPPER PENINSULA 14/ 15/ 9.95	9.79	9.25	8.90	8.60	---	12.6	11.6	---	---	12.3					
CHICAGO REGIONAL 16/	9.86	9.70	9.08	8.84	8.70	8.60	11.6	11.6	11.6	11.6					
LSVILLE-LXGTGN-EVNSVILLE	10.30	9.93	9.09	8.79	8.70	8.60	11.6	11.6	11.6	11.6					
INDIANA 17/	10.07	9.91	12/ 9.30	12/ 9.08	8.70	8.50	11.6	11.6	11.6	11.6					
SOUTHERN ILLINOIS 18/	10.13	9.97	9.25	9.03	8.70	8.50	11.6	11.6	11.6	11.6					
CENTRAL ILLINDIS 19/	9.99	9.83	9.18	8.78	8.70	8.60	11.6	11.6	11.6	11.6					
AVERAGE 2/	9.99	9.81	9.13	8.88	---	---	11.6	---	---	11.6					
WEST NORTH CENTRAL															
NCRTHERN GROUP															
UPPER MIDWEST 20/	9.72	9.56	8.88	8.71	8.70	8.60	11.6	11.6	11.6	11.6					
EASTERN SOUTH DAKOTA 22/	10.00	9.84	9.21	8.95	8.70	8.60	11.6	11.6	11.6	11.6					
BLACK HILLS 23/	10.55	10.39	9.27	9.12	8.60	---	12.1	11.1	---	11.4					
IDWA 24/	10.00	21/ 9.79	9.20	21/ 9.04	8.70	8.60	11.6	11.6	11.6	11.6					
NEBRASKA - WESTERN IDWA 25/	10.20	10.04	12/ 9.28	12/ 9.04	8.70	8.60	11.6	11.6	11.6	11.6					
AVERAGE 2/	10.18	10.02	9.26	9.03	---	---	11.6	---	---	11.6					

* Major city in the marketing area. ** All averages are weighted. 1/ Nearby plant zone prices; Boston and Hartford are in this zone. Price at 201-210 mile zone: Class I and blend, 40 cents less; Class II, 5.8 cents less. 2/ Markets under regulation on January 1, 1977, and which have had no significant marketing area expansions. Excludes Upper Midwest, Iowa, Tennessee Valley, Greater Louisiana, and New Orleans-Mississippi. 3/ New York metropolitan area. Price excludes a 5-cent direct delivery differential. Prices at 201-210 mile zone: Class I and blend, 24 cents less; Class II, eight cents less. 4/ Philadelphia, Baltimore, and Washington, D.C. Price excludes a 6-cent direct delivery differential applicable to milk delivered to Philadelphia. 5/ Blend price excludes a 7-cent deduction for the advertising and promotion program. 6/ Miami. 7/ Applies to the skim milk portion of all milk which is either disposed of for fertilizer or livestock feed or dumped. 8/ Jacksonville and Tallahassee. 9/ Atlanta. 10/ Detroit. Price excludes an 8-cent direct delivery differential applicable to milk delivered to Detroit. 11/ Zone I (Erie, Pennsylvania). Class I and blend price for zone 3 (Cleveland) plus 8 cents, for zone 4 (Pittsburgh) plus ten cents. 12/ Blend price excludes a 5-cent deduction for the advertising and promotion program. 13/ Central zone (Cincinnati and Columbus). Class I and blend price at Toledo (Northwestern zone) five cents less and at Charleston, West Virginia (Southeastern zone) 5 cents more. 14/ Zone 2 (Marquette). 15/ Weighted average of all handlers' blend prices at all locations, 1977-76. 16/ Zone I (Chicago). Class I and blend price at Milwaukee (Zone 4) 6 cents less. 17/ Indianapolis. 18/ Bass zone (Alton). Class I and blend prices at Carbondale (southeastern zone) seven cents more. 19/ Peoria. 20/ Zone I (Minneapolis, Rochester, and Duluth, Minnesota; Fargo, North Dakota, and Superior, Wisconsin). 21/ Represents a weighted average price for the merged orders. 22/ Sioux Falls. 23/ Rapid City, South Dakota. 24/ Zone I (Des Moines). Class I prices at other points in the marketing area are: Cedar Rapids, minus seven cents; Rock Island, IL., minus seven cents; and Waterloo, minus 16 cents. 25/ Zone I (Omaha).

TABLE 2--FEDERAL ORDER MINIMUM CLASS AND BLEND PRICES FOR MILK OF 3.5 PERCENT BUTTERFAT CONTENT, F.O.B. MARKET OR OTHER INDICATED POINT, AND BUTTERFAT DIFFERENTIALS, JUNE*-CON.

MARKETING AREA	PRICES PER 100 POUNDS								FAT DIFFERENTIAL J.1%			
	CLASS I		BLEND		CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	BLEND
	JUNE 1977	JUNE 1976	JUNE 1977	JUNE 1976	II JUNE 1977	III JUNE 1977	I JUNE 1977	II JUNE 1977	III JUNE 1977	BLEND JUNE 1977		
DOLLARS												
CENTS												
WEST NORTH CENTRAL -CON.												
SOUTHERN GROUP												
ST LOUIS - OZARKS ^{26/}	10.20	10.04	12/ 9.28	12/9.04	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
GREATER KANSAS CITY ^{27/}	10.34	10.18	12/ 9.42	12/9.21	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
NEOSHO VALLEY ^{28/}	10.25	10.09	12/ 9.97	12/9.83	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
WICHITA ^{29/}	10.40	10.24	12/ 9.52	12/9.26	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
AVERAGE ^{2/}	10.26	10.10	9.35	9.13	---	---	11.6	---	---	---	11.6	
EAST SOUTH CENTRAL												
PACUCAH	10.30	10.14	9.32	9.10	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
NASHVILLE	10.45	10.02	9.47	9.14	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
MEMPHIS ^{30/}	10.54	10.38	12/10.22	12/10.00	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
TENNESSEE VALLEY ^{31/}	10.72	21/10.51	10.09	21/9.89	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
AVERAGE ^{2/}	10.47	10.17	9.67	9.37	---	---	11.6	---	---	---	11.6	
WEST SOUTH CENTRAL												
NORTHERN GROUP ^{32/}												
CENTRAL ARKANSAS ^{23/}	10.54	10.38	12/10.07	12/9.98	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
OKLAHOMA METROPOLITAN ^{34/}	10.58	10.42	12/ 9.67	12/9.44	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
RED RIVER VALLEY ^{35/}	10.83	10.64	12/10.06	12/9.76	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
TEXAS PANHANDLE ^{36/}	10.85	10.69	12/ 9.92	12/9.94	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
LUBBOCK - PLAINVIEW	11.02	10.86	12/10.56	12/10.35	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
AVERAGE ^{2/}	10.63	10.47	9.84	9.66	---	---	11.6	---	---	---	11.6	
SOUTHERN GROUP												
GREATER LOUISIANA ^{37/}	11.07	10.91	10.66	10.37	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
NEW ORLEANS-MISSISSIPPI ^{38/}	11.45	11.29	10.58	10.29	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
TEXAS ^{39/}	10.92	10.76	12/10.19	12/9.91	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
AVERAGE ^{2/}	10.92	10.76	10.19	9.91	---	---	11.6	---	---	---	11.6	
MOUNTAIN												
EASTERN COLORADO ^{40/}	10.90	10.74	10.27	10.06	8.75	8.60	13.1	12.1	12.1	12.1	12.7	
GREAT BASIN ^{41/}	10.50	10.34	9.50	9.35	8.75	8.60	12.1	11.6	11.6	11.6	11.8	
WESTERN COLORADO ^{42/}	10.60	10.44	9.93	9.44	8.65	8.50	12.1	12.1	12.1	12.1	12.1	
CENTRAL ARIZONA ^{43/}	11.12	10.96	9.96	9.77	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
RIO GRANDE VALLEY ^{44/}	10.95	10.79	12/10.31	12/10.12	8.70	8.60	11.6	11.6	11.6	11.6	11.6	
LAKE MEAD ^{45/}	10.20	10.04	9.72	9.50	8.75	8.50	12.1	11.6	11.6	11.6	11.9	
AVERAGE ^{2/}	10.84	10.68	9.95	9.77	---	---	12.2	---	---	---	12.0	
PACIFIC												
PUGET SOUND ^{46/}	10.45	10.29	9.36	9.14	8.85	8.60	11.6	11.6	11.6	11.6	11.6	
INLAND EMPIRE ^{47/}	10.55	10.39	9.46	9.35	8.85	8.60	12.4	11.6	11.6	11.6	11.9	
OREGON - WASHINGTON ^{48/}	10.55	10.39	9.60	9.43	8.85	8.60	12.1	11.6	11.6	11.6	11.8	
AVERAGE ^{2/}	10.51	10.35	9.47	9.28	---	---	11.9	---	---	---	11.7	
41-MARKET AVERAGE ^{2/32/}	10.75	10.58	9.55	9.33	49/ 8.60	---	11.4	---	---	---	11.5	
ALL-MARKET AVERAGE	10.71	10.54	9.51	9.31	49/ 8.61	---	11.4	---	---	---	11.5	

^{26/} Zone I (St. Louis and Springfield). ^{27/} Kansas City and Topeka. ^{28/} Pittsburgh, Kansas. ^{29/} Zone I (Wichita). ^{30/} Blend prices are weighted average of all handlers, 1977-76. ^{31/} Bristol, Chattanooga, and Knoxville. ^{32/} Excludes Fort Smith. Fewer than three handlers. Fort Smith prices: Class I 1977, \$10.55 and 1976, \$10.39; Blend 12/ 1977, \$10.20 and 1976, \$10.11; Class II 1977, \$8.70 and 1976, \$8.42; Class III 1977, \$8.60 and 1976, \$8.32. Fat differential: Class I 1977, 11.6¢ and 1976, 10.9¢; Class II 1977, 11.6¢ and 1976, 10.9¢; Class III 1977, 10.6¢ and 1976, 10.9¢; Blend 1977, 10.6¢ and 1976, 10.9¢. ^{33/} Little Rock. ^{34/} Oklahoma City. ^{35/} Wichita Falls, Texas. ^{36/} Amarillo. ^{37/} Monroe and Shreveport. ^{38/} Zone I (New Orleans). ^{39/} Zone I (Dallas). Class I prices at other points in the marketing area: Abilene, plus 25 cents; Houston, plus 36 cents; San Antonio, plus 42 cents; and Mercedes, plus 75 cents. ^{40/} Denver. ^{41/} Salt Lake City, Utah. ^{42/} Grand Junction. ^{43/} Phoenix. ^{44/} Albuquerque, Santa Fe, and El Paso. ^{45/} Las Vegas, Nevada. ^{46/} District I (Seattle). ^{47/} Spokane, Washington. ^{48/} Portland. ^{49/} A weighted average price for milk in excess of Class I needs, calculated as follows: (producer deliveries used in Class II times the Class II price) plus (producer deliveries used in Class III times the Class III price) divided by (total producer deliveries in excess of Class I needs).

TABLE 3.—FEDERAL ORDER MINIMUM CLASS I AND 8BLEND PRICES FOR MILK OF 3.5 PERCENT BUTTERFAT CONTENT, F.O.8.
MARKET OR OTHER INDICATED POINT, JANUARY - JUNE, AVERAGES 1/

MARKETING AREA	CLASS I*			8BLEND*		
	1977	1976	CHANGE 1977 OVER 1976	1977	1976	CHANGE 1977 OVER 1976
	DOLLARS PER 100 POUNDS					
NEW ENGLAND						
NEW ENGLAND 2/	11.27	11.67	.40-	9.94	10.15	.21-
AVERAGE 2/	11.27	11.67	.40-	9.94	10.15	.21-
MIDDLE ATLANTIC						
NEW YORK-NEW JERSEY	10.93	11.33	.40-	9.39	9.61	.22-
MIDDLE ATLANTIC	11.07	11.47	.40-	9.90	10.26	.36-
AVERAGE 2/	10.99	11.39	.40-	9.58	9.84	.26-
SOUTH ATLANTIC						
TAMPA BAY	11.24	11.64	.40-	11.12	11.40	.28-
SOUTHEASTERN FLORIDA	11.44	11.84	.40-	11.39	11.60	.21-
UPPER FLORIDA	11.14	11.54	.40-	11.17	11.29	.12-
GEORGIA	10.59	10.99	.40-	10.08	10.44	.36-
AVERAGE 2/	11.01	11.41	.40-	10.74	11.02	.28-
EAST NORTH CENTRAL						
EASTERN GROUP						
SOUTHERN MICHIGAN	9.89	10.29	.40-	9.26	9.55	.29-
EASTERN OHIO-WESTERN PA.	10.14	10.54	.40-	9.25	9.51	.26-
OHIO VALLEY	9.99	10.38	.39-	9.27	9.55	.28-
AVERAGE 2/	10.00	10.40	.40-	9.26	9.54	.28-
WESTERN GROUP						
MICHIGAN UPPER PENINSULA	9.64	10.04	.40-	9.08	9.27	.19-
CHICAGO REGIONAL	9.55	9.95	.40-	8.90	9.06	.16-
LSVILLE-LXGTNC-EVNSVILLE	9.99	10.19	.20-	9.15	9.32	.17-
INDIANA	9.76	10.16	.40-	9.21	9.45	.24-
SOUTHERN ILLINOIS	9.82	10.22	.40-	9.16	9.41	.25-
CENTRAL ILLINOIS	9.68	10.08	.40-	9.06	9.22	.16-
AVERAGE 2/	9.68	10.06	.38-	8.99	9.17	.18-
WEST NORTH CENTRAL						
NORTHERN GROUP						
UPPER MIDWEST 4/	9.41	9.78	.37-	8.69	8.91	.22-
EASTERN SOUTH DAKOTA	9.69	10.17	.48-	9.05	9.24	.19-
BLACK HILLS	10.24	10.64	.40-	9.26	9.47	.21-
IOWA 5/	9.66	10.03	.37-	9.05	9.33	.28-
NEBRASKA - WESTERN IOWA	9.89	10.29	.40-	9.10	9.36	.26-
AVERAGE 2/	9.87	10.28	.41-	9.10	9.34	.24-

CONTINUED

TABLE 3.-FEDERAL ORDER MINIMUM CLASS I AND BLEND PRICES FOR MILK OF 3.5 PERCENT BUTTERFAT CONTENT, F.O.B. MARKET OR OTHER INDICATED POINT, JANUARY - JUNE, AVERAGES 1/-CON.

MARKETING AREA	CLASS I*			BLEND*		
	1977	1976	CHANGE OVER 1976	1977	1976	CHANGE OVER 1976
	DOLLARS PER 100 POUNDS					
WEST NORTH CENTRAL -CON.						
SOUTHERN GROUP						
ST LOUIS - OZARKS	9.89	10.29	.40-	9.18	9.42	.24-
GREATER KANSAS CITY	10.03	10.43	.40-	9.23	9.54	.31-
NEOSHO VALLEY	9.94	10.35	.41-	9.75	10.10	.35-
WICHITA	10.09	10.49	.40-	9.33	9.56	.23-
AVERAGE 2/	9.95	10.35	.40-	9.21	9.48	.27-
EAST SOUTH CENTRAL						
PACUCAH	9.98	10.38	.40-	9.44	9.86	.42-
NASHVILLE	10.14	10.27	.13-	9.31	9.43	.12-
MEMPHIS	10.23	10.54	.41-	9.94	10.31	.37-
TENNESSEE VALLEY 6/	10.39	10.75	.36-	9.88	10.14	.26-
AVERAGE 2/	10.15	10.43	.28-	9.51	9.74	.23-
WEST SOUTH CENTRAL						
NCRTHERN GROUP 7/						
CENTRAL ARKANSAS	10.23	10.62	.39-	9.86	10.32	.46-
OKLAHOMA METROPOLITAN	10.27	10.67	.40-	9.57	9.80	.23-
RED RIVER VALLEY	10.48	10.89	.41-	9.84	10.14	.30-
TEXAS PANHANDLE	10.54	10.93	.39-	9.85	10.35	.50-
LU88OCK - PLAINVIEW	10.71	11.11	.40-	10.28	10.68	.40-
AVERAGE 2/	10.32	10.72	.40-	9.72	10.04	.32-
SOUTHERN GROUP						
GREATER LOUISIANA	10.76	11.05	.29-	10.33	10.53	.20-
NEW ORLEANS-MISSISSIPPI	11.14	11.45	.31-	10.36	10.38	.02-
TEXAS	10.61	11.01	.40-	10.00	10.27	.27-
AVERAGE 2/	10.61	11.01	.40-	10.00	10.27	.27-
MOUNTAIN						
EASTERN COLORADO	10.59	10.99	.40-	10.04	10.30	.26-
GREAT BASIN	10.19	10.58	.39-	9.40	9.61	.21-
WESTERN COLORADO	10.29	10.69	.40-	9.72	9.88	.16-
CENTRAL ARIZONA	10.81	11.21	.40-	9.86	10.11	.25-
RIC GRANDE VALLEY	10.64	11.04	.40-	10.13	10.46	.33-
LAKE MEAD	9.89	10.28	.39-	9.52	9.77	.25-
AVERAGE 2/	10.53	10.94	.41-	9.81	10.07	.26-
PACIFIC						
PUGET SOUND	10.14	10.53	.39-	9.18	9.30	.12-
INLAND EMPIRE	10.24	10.64	.40-	9.33	9.60	.27-
OREGON - WASHINGTON	10.24	10.53	.39-	9.47	9.66	.19-
AVERAGE 2/	10.20	10.59	.39-	9.31	9.47	.16-
41-MARKET AVERAGE 2/ 7/	10.43	10.82	.39-	9.47	9.72	.25-
ALL-MARKET AVERAGE 7/	10.40	10.78	.38-	9.42	9.68	.26-

* All averages are weighted.

1/ See footnotes on table 2 for location at which price is reported.

2/ For the period January through March 1976 the prices represent weighted averages for the two merged markets.

3/ Based on markets where orders were effective entire period, 1976-77, and which have had no significant marketing area expansions. Excludes Upper Midwest, Iowa, Tennessee Valley, Greater Louisiana, and New Orleans-Mississippi.

4/ For the period January-May 1976, the prices represent weighted averages for the four merged markets.

5/ For the periods January-April 1977 and January to date 1976, the prices represent weighted averages for the four merged markets.

6/ For the period January-June 1976, the prices represent weighted averages for the three merged markets.

7/ Excludes Fort Smith. Fewer than three handlers.

TABLE 4.- NUMBER OF PRODUCERS DELIVERING MILK TO HANDLERS REGULATED UNDER FEDERAL ORDERS, TOTAL DELIVERIES, AND AVERAGE DAILY DELIVERIES PER PRODUCER, JUNE

MARKETING AREA	NUMBER OF PRODUCERS		PRODUCER DELIVERIES			AVERAGE BUTTERFAT PERCENTAGE OF MILK DELIVERIES		AVERAGE DAILY DELIVERIES PER PRODUCER	
	JUNE 1977	CHANGE FROM JUNE 1976	JUNE 1977	JUNE 1976	CHANGE FROM JUNE 1976	JUNE 1977	JUNE 1976	JUNE 1977	JUNE 1976
	NUMBER		1,000 LBS.		PERCENT		PERCENT		POUNDS
NEW ENGLAND									
NEW ENGLAND	8,056	278-	444,878	445,913	0.2-	3.58	3.60	1,841	1,784
AVERAGE OR TOTAL <u>1/</u>	8,056	278-	444,878	445,913	.2-	3.58	3.60	—	—
MIDDLE ATLANTIC									
NEW YORK-NEW JERSEY	18,819	454-	887,311	875,639	1.3	3.52	3.57	1,572	1,514
MIDDLE ATLANTIC	8,030	120-	472,375	446,764	5.7	3.55	3.57	1,961	1,827
AVERAGE OR TOTAL <u>1/</u>	26,849	574-	1,359,686	1,322,403	2.8	3.53	3.57	—	—
SOUTH ATLANTIC									
TAMPA BAY	117	2-	42,171	43,879	3.9-	3.43	3.40	11,080	11,792
SOUTHEASTERN FLORIDA	76	101-	58,851	64,925	9.4-	3.47	3.33	26,190	12,236
UPPER FLORIDA	177	9-	52,615	56,341	6.6-	3.32	3.34	10,435	10,353
GEORGIA	1,375	110	122,122	118,914	2.7	3.56	3.55	2,961	3,133
AVERAGE OR TOTAL <u>1/</u>	1,745	2-	275,759	284,059	2.9-	3.48	3.43	—	—
EAST NORTH CENTRAL									
EASTERN GROUP									
SOUTHERN MICHIGAN	6,835	281-	357,933	342,723	4.4	3.53	3.54	1,746	1,628
EASTERN OHIO-WESTERN PA.	7,404	301-	314,343	307,716	2.2	3.56	3.58	1,415	1,331
OHIO VALLEY	6,058	322-	254,495	265,926	.5-	3.54	3.56	1,455	1,389
AVERAGE OR TOTAL <u>1/</u>	20,297	904-	936,771	916,365	2.2	3.54	3.56	—	—
WESTERN GROUP									
MICHIGAN UPPER PENINSULA	198	12-	7,330	7,845	6.6-	3.63	3.59	1,234	1,245
CHICAGO REGIONAL	16,964	563-	910,124	892,411	2.0	3.60	3.58	1,788	1,697
LSVILLE-LXGTCT-EVNSVILLE	2,297	68-	103,438	102,231	1.2	3.50	3.53	1,501	1,441
INDIANA	3,937	36-	194,811	190,103	2.5	3.60	3.57	1,649	1,595
SOUTHERN ILLINOIS	1,827	357-	94,594	102,809	8.0-	3.54	3.53	1,726	1,569
CENTRAL ILLINOIS	439	36-	21,963	21,703	1.2	3.54	3.56	1,668	1,523
AVERAGE OR TOTAL <u>1/</u>	25,662	1,072-	1,332,260	1,317,102	1.2	3.59	3.57	—	—
WEST NORTH CENTRAL									
NORTHERN GROUP									
UPPER MIDWEST	13,039	4,163	618,331	402,916	53.5	3.59	3.54	1,581	1,513
EASTERN SOUTH DAKOTA	492	22	27,465	26,053	5.4	3.37	3.35	1,910	1,886
BLACK HILLS	101	1	7,655	7,374	3.8	3.43	3.56	2,526	2,460
IOWA <u>2/</u>	3,148	478	154,874	124,707	24.2	3.53	3.56	1,663	1,590
NEBRASKA - WESTERN IOWA	1,550	131-	94,325	99,073	4.8-	3.45	3.45	2,061	2,004
AVERAGE OR TOTAL <u>1/</u>	2,143	108-	129,445	132,500	2.3-	3.43	3.44	—	—

CONTINUED

TABLE 4-- NUMBER OF PRODUCERS DELIVERING MILK TO HANDLERS REGULATED UNDER FEDERAL ORDERS, TOTAL DELIVERIES, AND AVERAGE DAILY DELIVERIES PER PRODUCER, JUNE -CON.

MARKETING AREA	NUMBER OF PRODUCERS		PRODUCER DELIVERIES			AVERAGE BUTTERFAT PERCENTAGE OF MILK DELIVERIES		AVERAGE DAILY DELIVERIES PER PRODUCER	
	JUNE 1977	CHANGE FROM JUNE 1976	JUNE 1977	JUNE 1976	CHANGE FROM JUNE 1976	JUNE 1977	JUNE 1976	JUNE 1977	JUNE 1976
	NUMBER		1,000 LBS.		PERCENT	PERCENT		POUNDS	
WEST NORTH CENTRAL -CON.									
SCUTHERN GROUP									
ST LOUIS - OZARKS	2,821	127	152,727	143,395	6.5	3.45	3.49	1,805	1,774
GREATER KANSAS CITY	1,643	474-	85,860	103,668	17.2-	3.47	3.46	1,745	1,657
NECSHO VALLEY	34	3-	465	501	7.2-	3.42	3.53	1,861	1,801
WICHITA	513	5-	30,244	30,595	1.1-	3.44	3.41	2,236	2,116
AVERAGE OR TOTAL ^{1/}	5,011	355-	269,296	278,159	3.2-	3.46	3.47	—	—
EAST SOUTH CENTRAL									
PACUCAH	192	33-	9,386	11,156	15.9-	3.65	3.68	1,630	1,653
NASHVILLE	880	24-	50,959	48,383	5.3	3.56	3.55	1,930	1,784
MEMPHIS	389	13-	24,608	22,443	9.6	3.44	3.54	2,246	2,244
TENNESSEE VALLEY ^{3/}	1,754	13	93,497	88,037	6.2	3.54	3.58	1,777	1,686
AVERAGE OR TOTAL ^{1/}	1,461	70-	84,953	81,982	3.6	3.54	3.56	—	—
WEST SOUTH CENTRAL									
NCRTHERN GROUP									
CENTRAL ARKANSAS-FORT SMITH ^{4/}	648	14	31,239	29,453	6.1	3.31	3.41	2,001	2,104
OKLAHOMA METROPOLITAN	1,591	28	78,610	75,671	3.9	3.38	3.40	2,172	2,036
RED RIVER VALLEY	208	33-	8,465	12,452	32.0-	3.28	3.38	2,086	2,118
TEXAS PANHANDLE	172	10-	10,020	8,115	23.5	3.15	3.32	3,951	3,870
LUBBOCK - PLAINVIEW	63	32-	5,759	6,157	6.5-	3.30	3.35	5,362	4,729
AVERAGE OR TOTAL ^{1/}	2,682	33-	134,093	131,848	1.7	3.34	3.39	—	—
SCUTHERN GROUP									
GREATER LOUISIANA	881	71	48,522	49,679	1.9-	3.55	3.62	1,836	2,036
NEW ORLEANS-MISSISSIPPI	1,596	3	90,926	91,692	.8-	3.52	3.59	1,899	1,919
TEXAS	3,152	194-	286,277	296,398	3.4-	3.36	3.41	3,027	2,953
AVERAGE OR TOTAL ^{1/}	3,152	194-	286,277	296,398	3.4-	3.36	3.41	—	—
MOUNTAIN									
EASTERN COLORADO	717	200-	66,252	70,011	5.4-	3.39	3.43	3,080	2,545
GREAT BASIN	805	30	70,126	64,463	8.8	3.38	3.43	2,904	2,773
WESTERN COLORADO	48	2-	6,313	6,056	4.2	3.35	3.43	4,384	4,037
CENTRAL ARIZONA	163	1	76,022	72,900	4.3	3.47	3.45	15,848	15,619
RIO GRANDE VALLEY	156	7-	33,977	32,672	4.0	3.26	3.30	9,526	8,823
LAKE MEAD	38	4-	11,603	11,791	1.6-	3.22	3.27	10,178	9,358
AVERAGE OR TOTAL ^{1/}	1,927	182-	254,293	257,893	2.5	3.38	3.41	—	—
PACIFIC									
PUGET SOUND	1,233	37-	145,958	137,718	6.0	3.55	3.56	3,946	3,615
INLAND EMPIRE	333	12	25,195	22,900	10.0	3.49	3.52	2,522	2,378
OREGON - WASHINGTON	1,037	12	125,971	115,942	8.6	3.60	3.71	4,049	3,770
AVERAGE OR TOTAL ^{1/}	2,603	13-	297,124	276,560	7.4	3.57	3.62	—	—
42- MARKET AVG. OR TOTAL ^{1/}	101,588	3,785-	5,814,835	5,741,182	1.3	3.52	3.54	1,908	1,816
ALL-MARKET AVG. OR TOTAL	122,006	943	6,820,985	6,498,013	5.0	3.53	3.54	1,864	1,789

^{1/} Based on markets where orders were effective entire period, 1976-77, and which have had no significant marketing area expansions. Excludes Upper Midwest, Iowa, Tennessee Valley, Greater Louisiana, and New Orleans-Mississippi.

^{2/} Data for the previous year represent the summation of the four orders merged to form Iowa.

^{3/} Data for the previous year represent the summation of the three orders merged to form Tennessee Valley.

^{4/} The data for the Central Arkansas and Fort Smith markets have been combined in order to mask restricted data.

TABLE 5.-PRDUCER MILK DELIVERIES USED IN CLASS I AND GROSS CLASS I SALES BY HANDLERS REGULATED UNDER FEDERAL ORDERS, JUNE

MARKETING AREA	PRODUCER DELIVERIES USED IN CLASS I			% USED IN CL. I			GROSS CLASS I *		DELIVERIES AS % OF GR. CL. I	
	JUNE 1977	JUNE 1976	CHANGE FROM JUNE 1976	JUNE 1977	JUNE 1976	PERCENT	JUNE 1977	CHANGE FROM JUNE 1976	JUNE 1977	JUNE 1976
	1,000 POUNDS	PERCENT	PERCENT	1,000 LBS	PERCENT	PERCENT	1,000 LBS	PERCENT	1,000 LBS	PERCENT
NEW ENGLAND										
NEW ENGLAND	232,201	230,551	0.7	52	52	232,406	0.6	191	193	
AVERAGE DR TOTAL 1/	232,201	230,551	.7	52	52	---	---	---	---	
MIDDLE ATLANTIC										
NEW YORK-NEW JERSEY	361,931	371,266	2.5-	41	42	361,931	2.5-	245	236	
MIDDLE ATLANTIC	257,189	246,679	4.3	54	55	270,479	2.5	175	169	
AVERAGE DR TOTAL 1/	619,120	617,945	.2	46	47	---	---	---	---	
SOUTH ATLANTIC										
TAMPA BAY	36,827	34,708	3.8	85	79	36,865	4.3	114	124	
SOUTHEASTERN FLDRIDA	52,080	51,793	.6	88	80	52,974	.4	111	123	
UPPER FLORIDA	48,399	45,375	6.7	92	80	49,172	5.1	107	120	
GEORGIA	87,395	84,602	3.3	72	71	95,307	9.6	128	136	
AVERAGE DR TOTAL 1/	223,901	216,478	3.4	81	76	---	---	---	---	
EAST NORTH CENTRAL										
EASTERN GROUP										
SOUTHERN MICHIGAN	176,005	177,073	.6-	49	52	176,546	.4-	203	193	
EASTERN OHID-WESTERN PA.	161,917	155,531	4.1	52	52	162,209	3.8	194	197	
OHIO VALLEY	143,074	144,257	.8-	54	54	145,203	.1-	182	183	
AVERAGE DR TOTAL 1/	480,996	476,861	.9	51	52	---	---	---	---	
WESTERN GROUP										
MICHIGAN UPPER PENINSULA	3,579	3,690	3.0-	49	47	4,103	13.3-	179	166	
CHICAGO REGIONAL	234,938	237,082	.9-	26	26	234,797	1.3-	388	375	
LSVILLE-LXGTEN-EVNSVILLE	53,745	54,259	.9-	52	53	54,062	.8-	191	188	
INDIANA	115,023	108,037	6.5	59	57	115,503	6.4	169	175	
SOUTHERN ILLINOIS	42,483	44,827	5.2-	45	44	43,486	5.4-	218	224	
CENTRAL ILLINOIS	11,990	9,338	28.4	54	43	13,512	27.0	162	204	
AVERAGE DR TOTAL 1/	461,758	457,233	1.0	35	35	---	---	---	---	
WEST NORTH CENTRAL										
NORTHERN GROUP										
UPPER MIDWEST	117,481	113,716	3.3	19	28	117,696	2.6	525	351	
EASTERN SOUTH DAKOTA	9,903	9,788	1.2	36	38	9,995	.8	275	263	
BLACK HILLS	2,792	2,903	3.8-	36	39	2,795	6.0-	274	248	
IDAHO 2/	55,428	54,830	1.1	36	44	55,569	1.2	279	227	
NEBRASKA - WESTERN IDAHO	41,248	41,255	0	44	42	41,582	.4	227	239	
AVERAGE DR TOTAL 1/	53,943	53,946	0	42	41	---	---	---	---	

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TABLE 5.-PRODUCER MILK DELIVERIES USED IN CLASS I AND GROSS CLASS I SALES BY HANDLERS REGULATED UNDER FEDERAL ORDERS, JUNE -CON.

MARKETING AREA	PRODUCER DELIVERIES USED IN CLASS I				GROSS CLASS I*		DELIVERIES AS % OF GR. CL. I	
	JUNE 1977	JUNE 1976	CHANGE FROM JUNE 1976	% USED IN CL. I	JUNE 1977	JUNE 1976	CHANGE FROM JUNE 1976	JUNE 1977
			JUNE 1976	PERCENT			JUNE 1977	
	1,000 POUNDS			PERCENT	1,000 LBS	PERCENT	1,000 LBS	PERCENT
WEST NORTH CENTRAL -CON.								
SOUTHERN GROUP								
ST LOUIS - OZARKS	93,488	85,640	9.2	61	60	97,270	8.6	157
GREATER KANSAS CITY	38,027	41,753	8.9-	44	40	38,504	14.0-	223
NECSCO VALLEY	400	441	9.3-	86	88	402	9.2-	116
WICHITA	15,673	15,280	2.6	52	50	15,799	2.3	191
AVERAGE OR TOTAL 1/	147,588	143,114	3.1	55	51	---	---	---
EAST SOUTH CENTRAL								
PADUCAH	6,465	7,580	14.7-	69	68	6,498	14.3-	144
NASHVILLE	23,272	23,762	2.1-	46	49	23,285	4.0-	219
MEMPHIS	20,412	18,474	10.5	83	82	22,906	7.8	107
TENNESSEE VALLEY 3/	64,465	62,760	2.7	69	71	64,465	1.9	145
AVERAGE OR TOTAL 1/	50,149	49,816	.7	59	61	---	---	---
WEST SOUTH CENTRAL								
NCRTHERN GROUP								
CENTRAL ARKANSAS-FORT SMITH 4/	24,449	24,474	.1-	78	83	25,688	.6	122
OKLAHOMA METROPOLITAN	41,807	39,139	6.8	53	52	42,368	5.2	186
RED RIVER VALLEY	5,451	7,442	26.8-	64	60	5,453	26.9-	155
TEXAS PANHANDLE	5,985	5,730	4.4	60	71	5,985	4.4	167
LUBBOCK - PLAINVIEW	4,760	4,899	2.8-	83	80	4,760	3.5-	121
AVERAGE OR TOTAL 1/	82,452	81,684	.9	61	62	---	---	---
SCUTHERN GROUP								
GREATER LOUISIANA	40,391	39,555	2.1	83	80	40,689	2.5	119
NEW ORLEANS-MISSISSIPPI	60,990	58,620	4.0	67	64	61,539	4.7	148
TEXAS	198,581	193,644	2.5	69	65	201,198	3.0	142
AVERAGE OR TOTAL 1/	198,581	193,644	2.5	69	65	---	---	---
MOUNTAIN								
EASTERN COLORADO	47,159	46,232	2.0	71	66	50,051	2.8	132
GREAT BASIN	31,949	31,583	1.2	46	49	32,691	.0	214
WESTERN COLORADO	3,995	3,170	26.0	63	52	4,239	31.2	149
CENTRAL ARIZONA	40,591	39,352	3.1	53	54	40,591	3.1	187
RIO GRANDE VALLEY	24,975	24,111	3.6	74	74	25,026	3.5	136
LAKE MEAD	7,132	6,490	9.9	61	55	7,167	10.0	162
AVERAGE OR TOTAL 1/	155,801	150,938	3.2	59	58	---	---	---
PACIFIC								
PUGET SOUND	54,148	51,494	5.2	37	37	56,913	5.1	256
INLAND EMPIRE	10,491	10,814	3.0-	42	47	10,514	3.4-	240
OREGON - WASHINGTON	60,917	58,379	4.3	48	50	64,657	3.0	195
AVERAGE OR TOTAL 1/	125,556	120,687	4.0	42	44	---	---	---
42-MARKET AVG. OR TOTAL 1/	2,832,046	2,792,897	1.4	49	49	---	---	---
ALL-MARKET AVG. OR TOTAL	3,170,801	3,122,378	1.6	46	48	---	---	---

1/ Based on markets where orders were effective entire period, 1976-77, and which have had no significant marketing area expansions. Excludes Upper Midwest, Iowa, Tennessee Valley, Greater Louisiana, and New Orleans-Mississippi.

2/ Data for the previous year represent the summation of the four orders merged to form Iowa.

3/ Data for the previous year represent the summation of the three orders merged to form Tennessee Valley.

4/ The data for the Central Arkansas and Fort Smith markets have been combined in order to mask restricted data.

Table 6.—Producer milk deliveries used in Class II by handlers regulated under those Federal orders which have three classes of utilization, June and year to date with comparisons 1/

Marketing area	Producer Deliveries		% Used		Producer Deliveries		% Used		
	used in Class II		in Cl. II		used in Class II		in Cl. II		
	June	June	June	June	Cum.*	Cum.*	Cum.*	Cum.*	
	1977	1976	1977	1976	1977	1976	1977	1976	
		1,000 lb.		Percent		1,000 lb.		Percent	
SOUTH ATLANTIC									
Georgia	8,577	10,233	7.0	8.6	52,597	51,048	6.8	6.7	
EAST NORTH CENTRAL									
Eastern Group									
Southern Michigan	23,611	25,407	6.6	7.4	139,035	145,903	6.7	7.3	
Eastern Ohio-Western Pa.	18,765	17,737	6.0	5.8	109,989	111,057	6.1	6.2	
Ohio Valley	23,457	23,152	8.9	8.7	130,595	126,349	8.5	8.4	
Western Group									
Chicago Regional	107,946	103,306	11.9	11.6	584,482	576,712	11.2	11.4	
Louis-Lex.-Evans.	6,965	6,367	6.7	6.2	34,474	33,282	5.6	5.4	
Indiana	26,475	26,319	13.6	13.8	145,598	157,143	13.0	14.3	
Southern Illinois	11,350	10,960	12.0	10.7	59,931	64,609	10.5	11.1	
Central Illinois	1,426	1,172	6.5	5.4	7,402	8,384	5.6	6.8	
WEST NORTH CENTRAL									
Northern Group									
Upper Midwest 2/	23,394	24,105	3.8	6.0	138,454	123,968	3.7	5.3	
Eastern South Dakota	3,739	4,060	13.6	15.6	19,378	19,281	12.4	12.9	
Iowa 3/	12,370	11,296	8.0	9.1	63,571	58,959	7.5	8.3	
Nebraska-Western Iowa	12,228	11,776	13.0	11.9	62,866	64,205	10.9	11.4	
Southern Group									
St. Louis-Ozarks	24,222	24,851	15.9	17.3	119,508	114,742	13.0	13.5	
Greater Kansas City	15,179	17,772	17.7	17.1	80,809	93,831	15.3	16.7	
Neosho Valley	23	14	4.9	2.8	85	76	2.7	2.1	
Wichita	3,167	2,899	10.5	9.5	16,385	14,243	8.8	7.9	
EAST SOUTH CENTRAL									
Paducah	1,173	1,165	12.5	10.4	6,553	7,138	10.8	11.2	
Nashville	2,511	2,210	4.9	4.6	12,125	12,583	3.9	4.2	
Memphis	2,528	2,873	10.3	12.8	16,384	14,679	10.3	9.8	
Tennessee Valley 4/	10,187	2,989	10.9	10.0	57,535	15,354	9.7	8.3	

Continued

Table 6.—Producer milk deliveries used in Class II by handlers regulated under those Federal orders which have three classes of utilization, June and year to date with comparisons 1/ -Con.

Marketing area	Producer Deliveries		% Used		Producer Deliveries		% Used	
	used in Class II		in Cl. II		used in Class II		in Cl. II	
	June	June	June	June	Cum.*	Cum.*	Cum.*	Cum.*
	1977	1976	1977	1976	1977	1976	1977	1976
	<u>1,000 lb.</u>		<u>Percent</u>		<u>1,000 lb.</u>		<u>Percent</u>	
WEST SOUTH CENTRAL	:							
Northern Group	:							
Central Arkansas-	:							
Fort Smith 5/	:	2,580	1,897	8.3	6.4 ::	11,836	8,697	6.2 : 4.8
Oklahoma Metropolitan	:	11,070	10,472	14.1	13.8 ::	55,711	52,637	12.7 : 12.7
Red River Valley	:	1,226	1,823	14.5	14.6 ::	9,473	9,220	13.2 : 12.5
Texas Panhandle	:	737	764	7.4	9.4 ::	3,976	4,102	7.3 : 9.0
Lubbock-Plainview	:	300	297	5.2	4.8 ::	1,330	1,738	3.5 : 4.5
Southern Group	:							
Greater Louisiana	:	4,363	3,541	9.0	7.2 ::	18,612	12,822	5.8 : 5.7
New Orleans-Mississippi	:	10,797	10,489	11.9	11.4 ::	57,314	41,222	9.9 : 8.9
Texas	:	37,719	41,268	13.2	13.9 ::	202,141	211,034	11.6 : 11.9
MOUNTAIN	:							
Eastern Colorado	:	8,165	8,033	12.3	11.5 ::	44,350	42,611	11.0 : 10.4
Great Basin	:	4,517	4,256	6.4	6.6 ::	25,185	24,828	6.5 : 6.8
Western Colorado	:	0	160	0	2.6 ::	0	697	0 : 2.4
Central Arizona	:	10,347	10,059	13.6	13.8 ::	58,960	58,338	13.3 : 13.5
Rio Grande Valley	:	4,820	4,468	14.2	13.7 ::	27,350	26,338	13.1 : 12.9
Lake Mead	:	646	573	5.6	4.9 ::	3,839	3,344	5.7 : 5.1
PACIFIC	:							
Puget Sound	:	20,163	19,082	13.8	13.9 ::	109,996	108,978	13.3 : 13.9
Inland Empire	:	2,824	2,491	11.2	10.9 ::	14,442	13,588	10.5 : 10.9
Oregon-Washington	:	16,063	16,446	12.8	14.2 ::	85,160	87,338	12.2 : 13.4
:								
:								

* Year to date.

1/ Excludes Southeastern Florida; Class III only applies to the skim milk portion of all milk disposed of for fertilizer or livestock feed or dumped.

2/ The cumulative data for the period January-May 1976 represent the summation of the four orders merged to form Upper Midwest.

3/ The data for June 1976, January-June 1976, and January-May 1977, represent the summation of the four orders merged to form Iowa.

4/ The monthly and cumulative data for the previous year represent Chattanooga. Appalachian and Knoxville had only two classes.

5/ The data for the Central Arkansas and Fort Smith markets have been combined in order to mask restricted data.

TABLE 7.-PRODUCER MILK DELIVERIES TO HANDLERS REGULATED UNDER FEDERAL ORDERS AND DELIVERIES USED IN CLASS I
JANUARY - JUNE

MARKETING AREA	PRODUCER DELIVERIES			PRODUCER DELIVERIES USED IN CLASS I			% USED IN CL. I	
	1977	1976	CHANGE 1977 OVER 1976	1977	1976	CHANGE 1977 OVER 1976	1977	1976
			1,000 POUNDS			1,000 POUNDS		
NEW ENGLAND								
NEW ENGLAND	2,530,739	2,598,661	2.1-	1,462,032	1,480,425	0.7-	58	57
TOTAL 1/	2,530,739	2,598,661	2.1-	1,462,032	1,480,425	0.7-	58	57
MIDDLE ATLANTIC								
NEW YORK-NEW JERSEY	4,951,911	5,004,388	.5-	2,261,587	2,339,809	2.8-	46	47
MIDDLE ATLANTIC	2,838,246	2,674,475	6.7	1,632,209	1,639,014	.1	58	61
TOTAL 1/	7,790,157	7,678,863	2.0	3,893,796	3,978,823	1.4-	50	52
SOUTH ATLANTIC								
TAMPA BAY	292,240	281,209	4.5	250,716	240,182	5.0	86	85
SOUTHEASTERN FLORIDA	385,561	412,675	6.0-	342,869	354,804	2.8-	89	86
UPPER FLORIDA	346,744	349,045	.1-	316,193	296,005	7.4	91	85
GEORGIA	778,115	764,827	2.4	586,370	593,028	.6-	75	78
TOTAL 1/	1,803,160	1,807,756	.3	1,496,148	1,484,019	3.4	83	82
EAST NORTH CENTRAL								
EASTERN GROUP								
SOUTHERN MICHIGAN	2,062,222	1,994,182	4.0	1,118,654	1,162,028	3.2-	54	58
EASTERN OHIO-WESTERN PA.	1,796,851	1,795,410	.6	1,043,798	1,062,332	1.2-	58	59
OHIO VALLEY	1,542,809	1,509,128	2.8	923,824	942,693	1.5-	60	62
TOTAL 1/	5,401,882	5,298,720	2.5	3,086,276	3,167,053	.8-	57	60
WESTERN GROUP								
MICHIGAN UPPER PENINSULA	42,648	47,322	9.4-	23,897	25,402	5.4-	56	54
CHICAGO REGIONAL	5,216,189	5,065,394	3.5	1,505,950	1,562,993	3.1-	29	31
LSVILLE-LXGTCN-EVNSVILLE	617,271	615,860	.8	361,931	384,217	5.2-	59	62
INDIANA	1,118,446	1,098,213	2.4	725,264	697,806	4.5	65	64
SOUTHERN ILLINOIS	570,942	580,559	1.1-	289,605	309,231	5.8-	51	53
CENTRAL ILLINOIS	133,260	123,623	8.4	78,096	66,788	17.6	59	54
TOTAL 1/	7,698,756	7,530,971	2.8	2,984,743	3,046,437	.3	39	40
WEST NORTH CENTRAL								
NORTHERN GROUP								
UPPER MIDWEST 2/	3,725,356	2,338,461	60.2	757,994	709,408	7.4	26	30
EASTERN SOUTH DAKOTA	156,786	149,062	5.7	65,380	65,994	.4-	42	44
BLACK HILLS	37,278	36,091	3.8	17,530	18,037	2.3-	47	50
IOWA 3/	848,272	712,120	19.7	361,720	358,955	1.3	43	50
NEBRASKA - WESTERN IOWA	578,674	561,123	3.7	273,919	278,766	1.2-	47	50
TOTAL 1/	772,738	746,276	4.1	356,829	362,797	23.5	46	49

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TABLE 7.- PRODUCER MILK DELIVERIES TO HANDLERS REGULATED UNDER FEDERAL ORDERS AND DELIVERIES USED IN CLASS I
JANUARY - JUNE -CON.

MARKETING AREA	PRODUCER DELIVERIES			PRODUCER DELIVERIES USED IN CLASS I			% USED IN CL. I	
	1977	1976	CHANGE 1977 OVER 1976	1977	1976	CHANGE 1977 OVER 1976	1977	1976
			1,000 POUNDS			1,000 POUNDS		
WEST NORTH CENTRAL -CON.								
SOUTHERN GROUP								
ST LOUIS - OZARKS	918,099	848,063	8.8	599,766	550,594	9.5	65	65
GREATER KANSAS CITY	528,255	562,507	5.6-	252,552	292,343	13.1-	48	52
NEOSHO VALLEY	3,127	3,659	14.0-	2,807	3,239	12.8-	90	88
WICHITA	186,379	179,895	4.2	101,160	99,770	2.0	54	55
TOTAL 1/	1,635,860	1,594,124	3.2	956,285	945,946	10.3	58	59
EAST SOUTH CENTRAL								
PACUCAH	60,868	64,011	4.4-	47,880	52,029	7.5-	79	81
NASHVILLE	309,075	296,877	4.7	156,524	157,626	.2-	51	53
MEMPHIS	158,581	150,328	6.1	133,252	129,234	3.7	84	86
TENNESSEE VALLEY 4/	591,544	552,345	7.7	425,351	407,903	4.8	72	74
TOTAL 1/	528,524	511,216	3.9	337,656	338,889	30.9	64	66
WEST SOUTH CENTRAL								
NORTHERN GROUP								
CENTRAL ARKANSAS-FORT SMITH 5/	190,631	181,502	5.6	155,305	159,253	1.9-	81	88
OKLAHOMA METROPOLITAN	439,717	414,834	6.5	265,646	250,881	6.5	60	60
RED RIVER VALLEY	71,771	73,734	2.2-	48,409	50,659	3.9-	67	69
TEXAS PANHANDLE	54,180	45,586	19.4	37,054	36,013	3.4	68	79
LUBBOCK - PLAINVIEW	38,438	38,237	1.1	31,756	32,589	2.3-	83	85
TOTAL 1/	794,737	753,893	6.0	538,170	529,395	20.8	68	70
SOUTHERN GROUP								
GREATER LOUISIANA	321,762	223,636	44.3	264,827	181,229	46.6	82	81
NEW ORLEANS-MISSISSIPPI	580,747	463,644	25.7	397,246	288,310	38.3	68	62
TEXAS	1,738,604	1,775,750	1.6-	1,262,758	1,269,645	.0	73	71
TOTAL 1/	1,738,604	1,775,750	1.6-	1,262,758	1,269,645	7.1	73	71
MOUNTAIN								
EASTERN COLORADO	402,330	409,569	1.2-	293,213	293,573	.4	73	72
GREAT BASIN	386,236	366,527	5.9	202,715	198,379	2.7	52	54
WESTERN COLORADO	38,873	29,445	32.7	25,996	19,423	34.6	67	66
CENTRAL ARIZONA	442,190	432,440	2.8	260,894	258,844	1.4	59	60
RIO GRANDE VALLEY	208,162	203,947	2.6	161,714	160,219	1.5	78	78
LAKE MEAD	67,492	65,375	3.8	45,173	41,214	10.1	67	63
TOTAL 1/	1,545,283	1,507,303	3.1	989,655	971,652	13.0	64	64
PACIFIC								
PUGET SOUND	829,809	782,802	6.6	334,217	316,214	6.2	40	40
INLAND EMPIRE	137,937	125,171	10.8	66,943	68,767	2.1-	48	55
OREGON - WASHINGTON	699,850	653,122	7.7	382,014	379,228	3.7	54	57
TOTAL 1/	1,667,596	1,561,095	7.4	783,174	755,209	19.5	47	48
42-MARKET TOTAL 1/	33,908,036	33,364,628	2.2	18,147,522	18,330,290	.4-	54	55
ALL-MARKET TOTAL	39,975,717	37,654,834	6.7	20,354,660	20,276,095	.9	51	54

1/ Based on markets where orders were effective entire period, 1976-77, and which have had no significant marketing area expansions. Excludes Upper Midwest, Iowa, Tennessee Valley, Greater Louisiana, and New Orleans-Mississippi.

2/ For the period January-May 1976, the data represent the summation of the four orders merged to form Upper Midwest.

3/ For the periods January-April 1977 and January to date 1976, the data represent the summation of the four orders merged to form Iowa.

4/ For the period January-June 1976, the data represent the summation of the three orders merged to form Tennessee Valley.

5/ The data for the Central Arkansas and Fort Smith markets have been combined in order to mask restricted data.

TABLE 8.—WHOLE MILK AND LOWFAT AND SKIM MILK ITEMS SOLD IN MARKETING AREAS DEFINED BY FEDERAL MILK DROERS FOR MARKETS WHERE SUCH INFORMATION IS AVAILABLE, MAY 1977 WITH COMPARISONS 1/

MARKETING AREA	WHOLE MILK ITEMS 2/				LOWFAT AND SKIM MILK ITEMS 3/				TOTAL							
	MAY 1977		CHANGE 1977 FROM 1976		MAY 1977		CHANGE 1977 FROM 1976		MAY 1977		CHANGE 1977 FROM 1976					
	SALES — MIL. LB.	BUTTER- FAT CONTENT	MAY	YFAP TO DATE 4/	SALES — MIL. LB.	BUTTER- FAT CONTENT	MAY	YEAR TO DATE 4/	SALES — MIL. LB.	BUTTER- FAT CONTENT	MAY — PERCENT	YEAR TO DATE 4/				
NEW ENGLAND	190.8	3.37	—	4.2	—	4.4	49.6	0.97	15.8	15.4	240.4	2.88	—	0.6	—	1.0
NEW ENGLAND 5/	190.8	3.37	—	4.2	—	4.4	49.6	.97	15.8	15.4	240.4	2.88	—	.6	—	1.0
MIDDLE ATLANTIC	172.2	3.30	—	5.5	—	4.9	68.5	1.24	9.2	8.9	240.7	2.72	—	1.8	—	1.5
MIDDLE ATLANTIC	172.2	3.30	—	5.5	—	4.9	68.5	1.24	9.2	8.9	240.7	2.72	—	1.8	—	1.5
SOUTH ATLANTIC	165.3	3.31	—	4.3	—	4.8	76.6	1.25	19.6	18.7	241.8	2.66	—	2.1	—	1.4
TAMPA BAY	31.4	3.31	—	1.3	—	.9	12.4	1.12	16.4	16.3	43.8	2.69	—	3.1	—	3.3
SOUTHEASTERN FLORIDA	40.6	3.34	—	9.4	—	9.1	16.5	1.33	46.3	43.6	57.2	2.76	—	1.8	—	1.6
UPPER FLORIDA	37.6	3.27	—	3.9	—	5.6	14.0	1.19	27.4	24.6	51.6	2.70	—	3.0	—	.8
GEORGIA	55.6	3.31	—	2.3	—	3.1	33.6	1.29	8.2	7.8	89.2	2.55	—	1.4	—	.7
EAST NORTH CENTRAL	605.8	3.27	—	5.9	—	5.0	379.5	1.54	3.9	5.0	985.4	2.61	—	2.3	—	1.4
EASTERN GROUP																
SOUTHERN MICHIGAN	121.8	3.25	—	6.1	—	3.2	60.4	.95	—	.7	182.2	2.49	—	4.4	—	1.2
E. OHIO — W. PA.	124.7	3.28	—	7.7	—	6.3	49.6	1.68	6.0	7.2	174.3	2.82	—	4.2	—	2.9
OHIO VALLEY	105.3	3.26	—	6.2	—	6.1	63.2	1.66	7.7	9.3	168.5	2.66	—	1.4	—	.9
WESTERN GROUP																
MICH. UPPER PENINSULA	4.7	3.36	—	3.6	—	8.6	3.4	1.65	13.7	12.2	8.1	2.64	—	3.0	—	.7
CHICAGO REGIONAL	136.0	3.30	—	5.8	—	6.3	99.6	1.58	4.3	5.8	235.6	2.57	—	1.8	—	1.5
LOUIS. — LEX. — EVANS	30.6	3.29	—	4.1	—	3.7	24.9	1.72	3.7	3.2	55.5	2.59	—	.7	—	.7
INDIANA	50.4	3.29	—	4.6	—	2.3	49.6	1.71	3.1	.3	100.1	2.50	—	.9	—	1.0
SOUTHERN ILLINOIS	22.2	3.24	—	.3	—	1.0	19.6	1.73	1.4	1.1	41.8	2.53	—	.8	—	.0
CENTRAL ILLINOIS	10.2	3.26	—	1.2	—	4.1	9.2	1.66	3.1	5.2	19.4	2.50	—	.8	—	.2
WEST NORTH CENTRAL	148.2	3.28	—	3.4	—	5.4	186.7	1.53	3.1	2.6	334.9	2.31	—	.1	—	1.1
NORTHERN GROUP																
UPPER MIDWEST 6/	35.4	3.27	—	3.5	—	4.9	78.2	1.48	1.7	1.4	113.6	2.04	—	.0	—	.6
EASTERN SOUTH DAKOTA 7/	3.2	3.28	3.9	—	2.2	—	5.2	1.77	12.6	8.8	8.4	2.35	9.1	4.3		
BLACK HILLS	1.1	3.29	—	4.4	—	5.3	1.5	1.87	10.5	7.2	2.6	2.48	3.5	1.3		
IOWA 8/	19.4	3.39	—	6.4	—	6.1	29.9	1.64	3.5	3.8	49.3	2.33	—	.7	—	.3
NEBRASKA — WESTERN IOWA	20.7	3.30	—	5.1	—	5.2	19.5	1.56	3.3	4.8	40.2	2.45	—	1.2	—	.6

CONTINUED

TABLE 8.—WHOLE MILK AND LOWFAT AND SKIM MILK ITEMS SOLO IN MARKETING AREAS DEFINED BY FEDERAL MILK ORDERS FOR MARKETS WHERE SUCH INFORMATION IS AVAILABLE, MAY 1977 WITH COMPARISONS 1/—CON.

MARKETING AREA	WHOLE MILK ITEMS 2/				LOWFAT AND SKIM MILK ITEMS 3/				TOTAL			
	MAY 1977		CHANGE 1977 FROM 1976		MAY 1977		CHANGE 1977 FROM 1976		MAY 1977		CHANGE 1977 FROM 1976	
	SALES MIL. LBS.	BUTTER-FAT CONTENT	MAY PERCENT	YEAR TO DATE 4/	SALES MIL. LBS.	BUTTER-FAT CONTENT	MAY PERCENT	YEAR TO DATE 4/	SALES MIL. LBS.	BUTTER-FAT CONTENT	MAY PERCENT	YEAR TO DATE 4/
WEST NORTH CENTRAL—CON.												
SOUTHERN GROUP												
ST. LOUIS — OZARKS	31.5	3.24	0	-	7.4	24.9	1.48	3.0	-	1.5	56.4	2.46
GREATER KANSAS CITY	23.1	3.27	-	4.4	-	4.5	19.4	1.51	3.0	-	2.7	42.5
NEOSHO VALLEY	4.3	3.31	-	1.4	1.6	2.1	1.34	10.1	21.3	6.4	2.67	2.1
WICHITA	9.5	3.26	-	4.2	-	5.9	6.0	1.56	9.0	10.1	15.5	2.60
EAST SOUTH CENTRAL	75.4	3.32	.6	-	1.3	45.6	1.50	2.4	-	2.3	121.1	2.64
PAOUCAH	4.9	3.25	-	8.0	-	4.5	2.3	1.41	7.2	6.1	7.2	2.65
NASHVILLE	21.2	3.31	-	2.1	-	3.0	10.9	1.47	9.6	7.5	32.1	2.69
MEMPHIS	13.2	3.33	-	1.7	-	3.3	6.4	1.21	2.4	7.8	19.6	2.64
TENNESSEE VALLEY 9/	36.1	3.34	4.5	1.0	-	26.0	1.60	-	.8	-	1.3	62.1
WEST SOUTH CENTRAL	302.2	3.45	-	.8	-	.5	89.1	1.35	7.0	5.0	391.3	2.97
NORTHERN GROUP												
CENTRAL ARKANSAS	12.9	3.59	-	1.7	-	.9	5.6	1.62	3.7	5.4	18.5	3.00
FORT SMITH	1.5	3.29	-	1.1	-	19.9	.6	1.35	18.3	-	2.9	2.1
OKLAHOMA METROPOLITAN	25.3	3.29	1.2	-	1.3	9.1	1.36	21.7	20.1	34.4	2.78	5.9
RED RIVER VALLEY	9.5	3.36	-	1.1	-	1.1	1.8	1.22	-	2.0	11.2	3.02
TEXAS PANHANDLE	5.7	3.37	-	4.4	-	6.7	1.2	1.48	1.4	4.5	7.0	3.03
LUBBOCK — PLAINVIEW	4.7	3.36	-	5.8	-	5.4	1.0	1.46	2.7	3.1	5.7	3.01
SOUTHERN GROUP												
GREATER LOUISIANA 7/	38.5	3.57	-	1.4	3.2	9.8	1.64	14.7	7.1	48.3	3.18	1.5
NEW ORLEANS-MISSISSIPPI 7/	52.6	3.56	-	8.7	-	6.7	11.8	1.37	14.7	15.0	64.4	3.16
TEXAS	151.6	3.40	2.6	-	1.2	48.2	1.25	2.4	-	.6	199.8	2.88
MOUNTAIN	98.5	3.37	.5	-	1.6	69.4	1.70	12.3	9.9	-	167.9	2.68
EASTERN COLORADO	24.5	3.29	-	1.4	-	3.9	22.3	1.77	7.9	6.7	46.9	2.57
GREAT BASIN	13.3	3.27	2.9	-	2.4	20.3	1.88	5.7	4.8	4.8	33.6	2.43
WESTERN COLORADO	2.0	3.30	10.2	-	7.2	1.4	1.80	37.4	23.4	3.4	2.70	19.7
CENTRAL ARIZONA	27.8	3.50	-	.8	-	2.9	15.8	1.43	20.8	15.3	43.6	2.75
RIO GRANDE VALLEY	24.6	3.34	1.0	-	1.3	5.9	1.51	22.1	19.2	30.5	2.99	4.5
LAKE MEAD	6.4	3.49	4.3	-	1.6	3.7	1.66	23.2	20.2	10.0	2.82	10.5
PACIFIC	54.5	3.35	.4	-	2.1	75.2	1.82	10.0	6.6	-	129.6	2.46
PUGET SOUND	20.9	3.33	-	3.1	-	4.2	30.3	1.85	7.5	6.1	51.2	2.45
INLAND EMPIRE	3.9	3.31	-	.9	-	2.3	8.0	1.77	9.3	4.5	11.9	2.27
OREGON — WASHINGTON	29.7	3.37	3.1	-	.6	36.9	1.90	12.4	7.5	-	66.6	2.50
COMBINED AREAS (46)	1,813.0	3.33	-	3.7	-	3.3	1,040.2	1.48	6.8	6.4	2,853.2	2.66
COMBINED AREAS ADJ. FOR CALENDAR COMPOSITION 10/	1,853.4	—	—	3.1	-	3.6	1,065.3	—	7.7	6.7	2,916.8	—
NEW YORK — NEW JERSEY 11/	—	—	—	—	—	—	—	—	—	—	415.1	—
											—	3.0
												2.8

1/ In-area sales represent total sales in each of the areas by handlers regulated under the respective orders, by handlers regulated under other orders, by partially regulated handlers, and by producer-handlers. Sales routes of handlers may extend outside defined marketing areas; therefore, some handler in-area sales are partially estimated.

2/ Plain and flavored whole milk.

3/ Plain, fortified and flavored skim and lowfat milk and buttermilk.

4/ Data for February 1976 adjusted to a 28-day basis before computing percentage changes.

5/ Sales represent the marketing area after the merger of Boston Regional and Connecticut, April 1, 1976.

6/ Represent combined sales for Duluth-Superior, Minneapolis-St. Paul, Minnesota-North Dakota, and Southeastern Minnesota-Northern Iowa, after the merger and expansion of June 1, 1976. Some data are estimated.

7/ Sales represent the marketing area after the expansion of Greater Louisiana and New Orleans-Mississippi, April 1, 1976; and Eastern South Dakota, June 1, 1976. Some data are estimated.

8/ Represents combined sales for North Central Iowa, Cedar Rapids-Iowa City, Quad Cities-Dubuque and Des Moines prior to the merger and expansion of May 1, 1977. Some data are estimated.

9/ Represents combined sales for Appalachian, Knoxville, and Chattanooga, after the merger and expansion of October 1976. Some data are estimated.

10/ Figures adjusted to eliminate variations due to calendar composition. See special article in this issue, page 35.

11/ Small amount of sales estimated.

Table 9.—Packaged sales of individual whole milk items, lowfat and skim milk items, in 46 selected marketing areas defined by Federal milk orders, January 1977 to date, with comparisons 1/

Item	January			February			March			April		
	Change 1977 from 1976			Change 1977 from 1976 2/			Change 1977 from 1976			Change 1977 from 1976		
	Sales	Year	Sales	Year	Sales	Year	Sales	Year	Sales	Sales	Year	Year
Mil. lb.	Percent	Mil. lb.	Percent	Mil. lb.	Percent	Mil. lb.	Percent	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Percent
Whole milk	1,856.3	-6.1	1,663.3	-0.5	1,847.3	-4.3	1,848.1	-3.8	1,762.0	-4.1	-	-3.9
Flavored whole milk	81.1	-10.9	82.5	-2.4	68.8	-98.2	103.3	-4.8	86.2	-1.6	-	-4.1
Total whole milk items	1,937.4	-6.3	1,745.9	-6	1,945.5	-4.1	1,948.1	-3.8	1,848.1	-4.0	-	-3.9
Lowfat (2%) milk												
Plain	541.9	10.9	10.9	49.1	17.4	13.9	544.5	8.8	12.1	517.5	6.5	10.6
Solids added	271.7	-9.2	-9.2	240.8	-4.7	-7.1	278.1	3.5	-3.7	272.4	3.6	-1.9
Skim milk												
Plain	62.9	7.8	7.8	60.0	19.7	13.3	65.4	9.9	12.1	62.5	9.0	11.3
Solids added	70.9	-7.6	-7.6	66.3	-4.9	-6.3	77.3	-5.4	-6.0	71.6	-3.1	-5.3
Flavored milk drinks	78.6	14.8	14.8	82.0	29.5	21.8	97.3	24.3	22.8	85.0	19.4	21.9
Buttermilk	56.3	-1.2	-1.2	52.4	2.9	.7	58.1	-3	.3	57.4	-3	.2
Total lowfat and skim milk items	1,082.4	3.2	3.2	994.6	9.7	6.2	1,120.6	7.0	6.5	1,066.4	5.7	6.3
Total	3,019.8	-3.1	-3.1	2,740.5	2.9	-	3,066.1	-.3	-.3	2,914.5	-.6	-.4
Total adjusted for calendar composition 3/	3,069.9	.7	.7	2,740.5	-.5	.2	3,047.9	-.1	.1	2,860.7	-.1.0	-.2

Continued

Table 9.—Packaged sales of individual whole milk items, lowfat and skim milk items, in 46 selected marketing areas defined by Federal milk orders, January 1977 to date, with comparisons 1/—Con.

Item	May		June		July		August	
	Change 1977 from 1976		Change 1977 from 1976		Change 1977 from 1976		Change 1977 from 1976	
	Sales	Year	Sales	Year	Sales	Year	Sales	Year
	Mil. lb.	Percent						
Whole milk	1,722.0	-4.0	-3.9	:	:	:	:	:
Flavored whole milk	91.0	2.3	-2.8	:	:	:	:	:
Total whole milk items	1,813.0	-3.7	-3.8	:	:	:	:	:
Lowfat (2%) milk								
Plain	503.3	9.7	10.5	:	:	:	:	:
Solids added	258.3	2.7	-1.1	:	:	:	:	:
Skim milk								
Plain	59.7	4.0	9.8	:	:	:	:	:
Solids added	70.8	-6.7	-5.6	:	:	:	:	:
Flavored milk drinks	91.3	25.9	22.7	:	:	:	:	:
Buttermilk	56.8	-1.0	-1.1	:	:	:	:	:
Total lowfat and skim milk items	1,040.2	6.8	6.4	:	:	:	:	:
Total	2,853.2	-1.1	-0.4	:	:	:	:	:
Total adjusted for calendar composition 2/	2,916.8	.4	-.1	:	:	:	:	:

1 / *Excluded the New York-New Jersey market*

¹/ Excludes the New York-New Jersey market.
²/ Data for February 1976 adjusted to a 28-day basis before computing percentage changes.

Data for February 17/18 adjusted to a 26-day basis before computing percentage changes. Figures are adjusted to eliminate variations due to calendar composition. See special article in this issue, page 35.

TABLE 10—PACKAGED SALES OF WHOLE MILK ITEMS, LOWFAT AND SKIM MILK ITEMS, MILK AND CREAM MIXTURES, CREAM ITEMS,^{5/} AND TOTAL FLUID ITEMS BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, GROUPED BY REGION, MAY 1977, WITH COMPARISONS^{1/}

REGION 2/	WHOLE MILK ITEMS 3/			LOWFAT AND SKIM MILK ITEMS 4/			MILK AND CREAM MIXTURES			CREAM ITEMS 5/			TOTAL FLUID ITEMS 6/		
	SALES		B.F. CHANGE 1977 FROM 1976	SALES	CON- TENT 1977 FROM 1976	SALES	CON- TENT 1977 FROM 1976	SALES	CON- TENT 1977 FROM 1976	SALES	CON- TENT 1977 FROM 1976	SALES	CON- TENT 1977 FROM 1976	SALES	CON- TENT 1977 FROM 1976
	MIL. LBS.	PERCENT	MIL. LBS.	PERCENT	MIL. LBS.	PERCENT	MIL. LBS.	PERCENT	MIL. LBS.	PERCENT	MIL. LBS.	PERCENT	MIL. LBS.	PERCENT	MIL. LBS.
NEW ENGLAND	191	3.37 -	3.8	51	.98	15.7	2.5	10.9	4.4	4.1	23.3 -	5.2	251	3.28	.3
MIDDLE ATLANTIC	190	3.29 -	4.3	77	1.23	10.5	1.9	10.9 -	10.7	1.4	20.0 -	19.9	275	2.82	.1
SOUTH ATLANTIC	172	3.32 -	3.4	75	1.26	20.6	2.0	10.8	5.5	1.3	22.7	4.3	253	2.84	3.3
EAST NORTH CENTRAL	609	3.27 -	6.7	385	1.54	2.9	9.7	11.1 -	6.3	9.6	18.5 -	4.4	1,018	2.83	- 3.2
WEST NORTH CENTRAL	180	3.28 -	2.6	213	1.53	4.8	4.5	11.1 -	7.7	4.3	22.8	5.1	404	2.64	* 9
EAST SOUTH CENTRAL	81	3.33 -	5.2	46	1.46	4.5	1.1	11.1	8.4	1.0	24.5	18.5	129	2.89	- 2.0
WEST SOUTH CENTRAL	321	3.43	1.6	93	1.35	5.8	2.6	11.3 -	2.4	2.9	22.0	10.4	421	3.14	2.7
P MOUNTAIN	93	3.36	- 2	69	1.69	11.9	1.8	11.5	.6	2.1	20.2	24.1	168	2.96	4.9
PACIFIC	54	3.33	1.0	74	1.80	11.6	1.8	11.3	3.1	1.4	25.9	6.9	134	2.81	7.0
TOTAL OF REGIONS	1,893	3.32 -	3.9	1,083	1.48	7.1	27.9	11.1 -	3.2	28.1	21.2	0	3,054	2.89	0

1/ TOTAL PACKAGED DISPOSITION, IN AND OUT OF THE MARKETING AREA, BY REGULATED HANDLERS.

2/ SFF PAGE 7 FOR MARKETS INCLUDED IN EACH REGION. MIDDLE ATLANTIC EXCLUDES NEW YORK-NEW JERSEY. THIS MARKET IS ALSO EXCLUDED FROM THE TOTAL.

3/ PLAIN AND FLAVORED WHOLE MILK.

4/ PLAIN, FORTIFIED, AND FLAVORED SKIM AND LOWFAT MILK, AND BUTTERMILK.

5/ LIGHT, HEAVY, AND SOUR CREAM, AND CREAM DIPS.

6/ INCLUDES YOGURT AND EGgnOG.

7/ PERCENTAGE CHANGES OVER THE PREVIOUS YEAR ARE BASED ON THE SAME NUMBER OF COMPARABLE MARKETS. AS A RESULT, WEST NORTH CENTRAL EXCLUDES THE UPPER MIDWEST MARKET, EAST SOUTH CENTRAL EXCLUDES THE TENNESSEE VALLEY MARKET, AND WEST SOUTH CENTRAL EXCLUDES THE GREATER LOUISIANA AND NEW ORLEANS-MISSISSIPPI MARKETS. THESE MARKETS ALSO ARE EXCLUDED FROM THE TOTAL PERCENTAGE CHANGE.

Table 11.—Packaged sales of milk and cream mixtures, cream items, yogurt, and eggnog by handlers regulated under Federal order markets, for those markets where comparable data are available, January 1977 to date, with comparisons 1/

1/ Total packaged disposition in and out of the marketing area by regulated pool plants. Excludes New York-New Jersey, Upper Midwest, Greater Louisiana, New Orleans-Mississippi, and Tennessee Valley.

TABLE 12.—MILK, SKIM MILK, AND CREAM UTILIZED IN THE MANUFACTURE OF DAIRY PRODUCTS BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, GROUPED BY REGION, MAY 1976 1/

REGION 2/	BUTTER	CHEESE	FROZEN DESSERTS	COTTAGE CHEESE	SKIM MILK POWDER	CONDENSED MILK 3/	CLASS III/IV MILK SOLIDS USED TO FORTIFY CLASS I	OTHER FACTORY PRODUCTS AND USES 4/	TOTAL
	<u>PRODUCT POUNDS 1,000 LBS.</u>								
<u>PRODUCER MILK</u>									
NEW ENGLAND AND MIDDLE ATLANTIC	6,580	131,555	46,403	42,413	97,710	66,931	4,114	43,867	439,574
SOUTH ATLANTIC	1,268	18,992	19,086	7,142	5,943	907	3,396	13,282	70,015
EAST NORTH CENTRAL	38,240	634,416	82,197	125,283	252,083	94,167	6,471	111,677	1,344,534
WEST NORTH CENTRAL	25,997	311,860	32,696	47,857	192,222	20,342	2,496	23,580	657,051
EAST SOUTH CENTRAL	2,694	15,658	7,481	4,755	21,125	1,734	766	6,429	60,642
WEST SOUTH CENTRAL	4,493	95,374	27,350	23,430	38,785	25,070	5,680	17,189	237,372
MOUNTAIN	1,579	61,393	15,529	21,131	5,650	571	3,003	4,546	113,404
PACIFIC	10,431	48,498	12,248	19,330	72,155	6,478	678	3,596	173,413
TOTAL OF REGIONS 5/	91,282	1,317,747	242,990	291,342	695,673	216,199	26,604	224,166	3,096,005
<u>BUTTERFAT POUNDS 1,000 LBS.</u>									
NEW ENGLAND AND MIDDLE ATLANTIC	3,417	4,798	6,559	426	62	1,043	0	2,286	18,592
SOUTH ATLANTIC	492	651	1,760	242	0	30	0	440	3,614
EAST NORTH CENTRAL	15,898	23,783	9,561	1,757	250	1,093	0	4,190	56,032
WEST NORTH CENTRAL	10,702	11,060	3,022	766	86	168	6/	982	26,789
EAST SOUTH CENTRAL	1,087	604	909	42	0	56	0	272	2,970
WEST SOUTH CENTRAL	1,424	3,148	3,011	237	36	633	0	864	9,353
MOUNTAIN	605	2,140	1,420	168	3	20	0	170	4,528
PACIFIC	3,708	1,752	1,056	179	47	202	0	197	7,140
TOTAL OF REGIONS 5/	37,334	47,936	27,298	3,321	485	3,245	6/	9,400	129,018

1/ INCLUDES PRODUCER MILK AND SOME OTHER SOURCE MILK USED TO PRODUCE MANUFACTURED DAIRY PRODUCTS IN REGULATED POOL PLANTS AS WELL AS MILK DIVERTED AND SHIPPED TO NON-ORDER PLANTS FOR PROCESSING. SOME DATA ARE PARTIALLY ESTIMATED.
2/ SEE PAGE 7 FOR MARKETS INCLUDED IN EACH REGION. MIDDLE ATLANTIC EXCLUDES NEW YORK-NEW JERSEY. THIS MARKET IS ALSO EXCLUDED FROM THE TOTAL.

3/ INCLUDES CONDENSED SKIM MILK AND CONDENSED WHOLE MILK.
4/ OTHER FACTORY PRODUCTS INCLUDE EVAPORATED WHOLE MILK, MILK, SKIM MILK, AND CREAM USED IN FOOD PRODUCTS, WHOLE MILK POWDER, AND AERATED, FROZEN AND PLASTIC CREAM. OTHER USES INCLUDE MILK, SKIM MILK, AND CREAM USED FOR ANIMAL FEED. UNIDENTIFIED PRODUCTS, DUMPED OR SPILLED, AND PLANT LOSS.

5/ TOTALS MAY NOT ADD DUE TO ROUNDING
6/ LESS THAN 500 POUNDS.

TABLE 13—MILK, SKIM MILK, AND CREAM UTILIZED IN THE MANUFACTURE OF DAIRY PRODUCTS BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, GROUPED BY REGION, MAY 1977 ^{1/}

REGION 2/ REGION 2/	BUTTER	CHEESE	FROZEN DESSERTS	COTTAGE CHEESE	SKIM MILK POWDER	CONDENSED MILK 3/	PRODUCT POUNDS		CLASS I/I/I/I MILK SOLIDS USED TO FORTIFY CLASS I	OTHER FACTORY PRODUCTS AND USES 4/	TOTAL
							1,000 LBS.				
NEW ENGLAND AND MIDDLE ATLANTIC	6,524	121,543	56,623	47,322	93,732	60,398	3,166	39,452	428,749		
SOUTH ATLANTIC	1,477	17,212	15,322	7,220	2,937	0	3,023	10,735	57,926		
EAST NORTH CENTRAL	51,436	664,699	91,455	131,762	239,583	150,115	7,945	93,134	1,430,120		
WEST NORTH CENTRAL	32,462	536,605	36,440	44,668	277,281	17,667	2,366	27,344	974,832		
EAST SOUTH CENTRAL	2,253	23,210	11,987	4,755	17,573	1,740	720	6,168	68,506		
WEST SOUTH CENTRAL	3,797	69,404	28,714	24,575	58,178	19,981	5,008	23,354	233,011		
MOUNTAIN	2,247	60,511	17,508	22,406	5,022	600	2,583	5,058	115,935		
PACIFIC	10,095	59,678	12,256	19,899	75,216	4,086	646	3,654	185,479		
TOTAL OF REGIONS 5/	110,290	1,552,932	270,304	302,607	769,522	254,577	25,457	208,899	3,498,560		
<hr/>											
BUTTERFAT POUNDS											
<hr/>											
NEW ENGLAND AND MIDDLE ATLANTIC	3,568	4,495	7,548	513	63	641	0	2,190	19,020		
SOUTH ATLANTIC	564	622	1,975	269	0	0	0	409	3,840		
EAST NORTH CENTRAL	18,073	24,758	9,698	1,407	292	1,254	0	3,743	59,205		
WEST NORTH CENTRAL	13,501	19,195	3,447	497	137	177	6/	1,112	38,064		
EAST SOUTH CENTRAL	890	881	1,141	39	0	64	0	276	3,291		
WEST SOUTH CENTRAL	1,133	2,709	3,293	241	56	471	0	1,173	9,075		
MOUNTAIN	663	2,062	1,428	185	3	21	0	198	4,559		
PACIFIC	3,756	2,135	1,176	190	30	145	0	160	7,582		
TOTAL OF REGIONS 5/	42,150	56,857	29,696	3,329	572	2,773	6/	9,263	144,638		

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- 1/ INCLUDES PRODUCER MILK AND SOME OTHER SOURCE MILK USED TO PRODUCE MANUFACTURED DAIRY PRODUCTS IN REGULATED POOL PLANTS AS WELL AS MILK DIVERTED AND SHIPPED TO NON-ORDER PLANTS FOR PROCESSING. SOME DATA ARE PARTIALLY ESTIMATED.
 2/ SEE PAGE 7 FOR MARKETS INCLUDED IN EACH REGION. MIDDLE ATLANTIC EXCLUDES NEW YORK-NEW JERSEY. THIS MARKET IS ALSO EXCLUDED FROM THE TOTAL.
 3/ INCLUDES CONDENSED SKIM MILK AND CONDENSED WHOLE MILK.
 4/ OTHER FACTORY PRODUCTS INCLUDE EVAPORATED WHOLE MILK, SKIM MILK, AND CREAM USED IN FOOD PRODUCTS. WHOLE MILK POWDER, AND AERATED, FROZEN AND PLASTIC CREAM. OTHER USES INCLUDE MILK, SKIM MILK, AND CREAM USED FOR ANIMAL FEED, UNIDENTIFIED PRODUCTS, DUMPED OR SPILLED, AND PLANT LOSS.
 5/ TOTALS MAY NOT ADD DUE TO ROUNDING
 6/ LESS THAN 500 POUNDS.

Table 14.—Percentage of whole milk equivalent used in the production of manufactured dairy products, in Federal order markets, January 1977 to date, with comparisons ^{1/}

Manufactured dairy products	January	February	March	April	May	June
	1977	1976	1977	1976	1977	1976
<u>Percent</u>						
Butter	35.8	33.3	34.2	32.2	30.8	29.3
Cheese	35.7	33.7	35.7	34.2	36.5	34.4
Frozen desserts	17.2	19.8	18.7	20.9	21.2	23.7
Cottage cheese	2.1	2.5	2.3	2.6	2.4	2.9
All other ^{2/}	9.2	10.7	9.1	10.1	9.1	9.7
	100.0	100.0	100.0	100.0	100.0	100.0

Manufactured dairy products	July	August	September	October	November	December
	1977	1976	1977	1976	1977	1976
<u>Percent</u>						
Butter	:	:	:	:	:	:
Cheese	:	:	:	:	:	:
Frozen desserts	:	:	:	:	:	:
Cottage cheese	:	:	:	:	:	:
All other ^{2/}	:	:	:	:	:	:
	:	:	:	:	:	:

^{1/} Data represent whole milk equivalent based on milkfat content. Includes producer milk and some other source milk used to produce manufactured dairy products in regulated pool plants as well as milk diverted and shipped to non-order plants for processing. Some of the data are partially estimated. Excludes New York-New Jersey.

^{2/} Milk, skim milk and cream used in other manufactured products, i.e. evaporated milk, condensed milk, whole and skim milk powder, aerated, frozen and plastic cream; and cream and cheese dips; and milk, skim milk, and cream used in food products as well as used in animal feed, dumped or spilled, plant loss and unidentified.

Table 15.—Federal order base and excess prices for milk of 3.5 percent butterfat content, June 1/

Marketing area	Base price		Excess price		Marketing area	Base price		Excess price	
	June	June	June	June		June	June	June	June
	<u>1976 : 1977 : 1976</u>					<u>1977 : 1976 : 1976</u>			
	Dollars per 100 lb.					Dollars per 100 lb.			
Central Arkansas	\$10.51	10.34	\$8.63	\$8.56	Nashville	\$9.61	9.30	\$8.60	\$8.32
Fort Smith	\$10.44	10.36	\$8.98	\$9.14	Oregon-Washington	\$9.84	9.68	\$8.60	\$8.32
Georgia 2/	\$10.68	10.45	\$8.60	\$8.32	Puget Sound 2/	\$10.36	10.20	\$8.60	\$8.32
Memphis	\$10.53	10.32	\$8.66	\$8.34	Southern Michigan	\$9.54	9.37	9.37	\$8.32
Middle Atlantic	\$10.24	10.10	\$8.44	\$8.18					

¹/ See footnotes on table 2 for location at which price is reported.
²/ Class I base plan.

Table 16.—Seasonal incentive fund excluded under various Federal milk orders, June

Marketing area	June		Marketing area	June	
	1977	1976		1977	1976
	Dollars per 100 lb.			Dollars per 100 lb.	Dollars per 100 lb.
Central Illinois	0.25	0.25	New York-New Jersey	0.40	0.40
Eastern Ohio-W. Pa.	•25	•25	Ohio Valley	•25	•25
Indiana	•20	•20	Paducah	•50	•50
Louisville-Lexington-	•40	•40	St. Louis-Ozarks	•25	•25
Evansville	•40	•40	Southern Illinois	•25	•25
New England	•	•	•	•	•

Table 17.—Dairy product prices and manufacturing milk prices January 1977 to date, with comparisons

Month	Dairy product market prices										Central States Production Area	Nonhygro/Hygro 3/ Nonfat Dry Milk 2/ Spray process	Chicago area plant	Wis. assembling points	CHEDDAR CHEESE 1/ Barrel	NONFAT DRY MILK 2/ Barrel	DRIED WHEY, EDIBLE 1/
	BUTTER 1/ Chicago	BUTTER 1/ New York	92-Score 1977	93-Score 1976	Barrel 1977	Barrel 1976	Blocks 1977	Blocks 1976	Points 1977	Points 1976							
January	90.82	86.12	94.00	89.87	84.01	95.81	92.62	100.44	62.53	66.04	8.10	6.67					
February	90.82	80.94	94.00	84.81	84.76	86.44	92.62	90.03	62.50	64.25	7.54	5.91					
March	92.68	86.05	97.01	91.42	88.51	90.62	93.80	94.42	62.45	63.37	7.34	5.40					
April	100.06	89.52	103.83	93.88	93.38	91.94	97.89	96.88	64.72	62.90	7.50	5.26					
May	100.71	89.88	103.75	94.50	92.67	89.75	97.86	94.94	67.66	62.71	8.38	5.20					
June	100.71	95.02	103.75	99.88	89.76	89.85	97.42	95.52	67.68	62.69	9.49	5.36					
July		105.75		110.00		94.62		100.12		62.79		5.54					
August		106.24		109.69		99.25		106.19		62.62		6.48					
September		92.39		98.81		91.52		98.08		62.77		6.89					
October		90.77		95.31		88.31		93.31		62.78		7.40					
November		90.82		94.00		86.28		92.88		62.60		8.04					
December		90.82		94.00		85.70		92.82		62.58		8.32					
Average		92.03		96.35		90.84		96.30		63.18		6.37					

Month	Prices paid for manufacturing grade milk, 3.5% butterfat content		
	Minn.-Wis. Manuf.	Butter powder "Snubber" 5/	1976
grade milk 4/	1977	1976	1976
		Dollars per 100 lb.	
January ..	8.19 ..	8.90 ..	8.46 ..
February ..	8.16 ..	8.25 ..	8.46 ..
March ..	8.31 ..	8.60 ..	8.53 ..
April ..	8.60 ..	8.44 ..	9.03 ..
May ..	8.62 ..	8.30 ..	8.30 ..
June ..	8.60 ..	8.32 ..	9.30 ..
July ..		8.71 ..	9.11 ..
August ..		8.99 ..	9.12 ..
September ..		8.46 ..	8.55 ..
October ..		8.26 ..	8.48 ..
November ..		8.26 ..	8.47 ..
December ..		8.25 ..	8.47 ..

1/ "Dairy Market News," AMS.

s reported by SRS. 3/ Simple average of hygroscopic and nonhygroscopic. 4/ Average price paid to producers for manufacturing grade milk, f.o.b. plants in Minnesota-Wisconsin, as reported by SRS. 3.5 percent price converted by using 92-score butter price times 0.120.

5/ (Chicago 92-score butter price tillant Price times 8.2) less 48 cents.

Table 18.—U.S. milk prices, U.S. milk feed ratio, and general price measures, January 1977 to date

Month	Parity	Price	Per-	Parity:	Price :	Av.	% of	Milk eligible	Manufacturing	U.S. milk prices		U.S. milk prices, 3.5 percent butterfat basis 1/		U.S. milk feed ratio								
								wholesale 2/	market 2/	All milk	wholesale 2/ for fluid	grade milk	Paid farmers for mlk used in:	ratio 2/ 4/								
Jan.	12.60	9.65	74	10.67	8.48	3.79	78.3	9.30	9.80	9.57	10.09	8.76	8.15	8.84	8.10	8.36	1.49	1.75				
Feb.	12.80	9.54	72	10.84	8.41	3.74	76.8	9.25	9.54	9.53	9.87	8.15	8.23	8.04	8.13	8.21	8.22	1.48	1.66			
Mar.	12.90	9.43	72	10.93	8.46	3.68	77.3	9.21	9.55	9.45	9.80	8.26	8.21	8.15	8.19	8.29	8.37	8.16	8.08	1.47	1.64	
Apr.	13.00	9.40	74	11.01	8.66	3.62	79.2	9.27	9.26	9.46	9.48	8.52	8.32	8.50	8.19	8.52	8.36	8.35	8.09	1.44	1.60	
May	13.00	9.34	75	11.01	8.60	3.55	79.5	9.27	9.15	9.46	9.39	8.54	8.24	8.56	8.14	8.54	8.28	8.39	8.19	1.43	1.51	
June	13.00	9.38	78	11.01	8.55	3.52	79.3	9.36	9.11	9.28	9.33	8.53	8.20	8.57	8.20	8.52	8.35	8.39	8.01	1.49	1.43	
July																						
Aug.																						
Sept.																						
Oct.																						
Nov.																						
Dec.																						
Si. av.																						

Dollars per 100 pound

Month	Prices paid by farmers 2/ 10/	General price measures										Price Indexes										
		Price received by farmers			Parity ratio 2/ 11/			Wholesale 8/			Retail 9/											
		All farm products	Livestock & products	Dairy products	All commodities	Dairy products	All items	All food	Dairy products	All items	All food	Dairy products										
1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977		
													Indexes 1967=100									
January	198	189	183	182	170	181	192	201	92	98	188.0	179.3	166.8	169.7	175.3	166.7	183.4	180.8	171.3	168.2		
February	200	191	187	174	182	190	194	94	98	190.0	179.3	166.9	163.4	177.1	167.1	187.7	187.7	180.0	171.1	168.5		
March	201	190	185	171	178	187	194	95	97	191.9	179.6	168.1	166.7	178.2	167.5	188.6	178.7	171.2	167.9	167.9		
April	204	191	191	190	172	186	187	94	99	194.3	181.3	173.6	167.7	179.6	168.2	190.9	179.2	171.4	167.9	167.9		
May	204	191	194	191	176	185	184	95	100	195.2	181.8	174.2	167.3	180.6	169.2	191.7	180.0	173.1	167.4	167.4		
June	204	193	184	195	173	184	186	90	101	194.4	178.1	174.3	167.0	181.8	170.1	193.6	180.9	174.3	167.9	167.9		
July																						
August																						
September																						
October																						
November																						
December																						
Average	192	186	177	177	192	192	177	177	92	96	184.7	170.3	172.6	181.6	171.1	172.6	181.6	171.1	172.6	169.0	171.1	

* Preliminary. ** Based on partially revised data. 1/ Converted by using Chicago 92-score butter times 0.120. 2/ "Agricultural Prices," SIS.

2/ "Dairy Products," SIS. 4/ Pounds of concentrate ration equal in value to one pound of milk sold to plants. 5/ Parity prices shown are based on data for the current month. 6/ Seasonally adjusted. 7/ Price at test adjusted to a 3.67 percent fat test by using Chicago 92-score times 0.120 as a percentage of parity price equivalent. 8/ Wholesale Prices and Price Index," BLS. 10/ Consumer Price Index, BLS. 11/ Ratio of the Index of Prices Received by farmers, all farm products, to the Index of Prices Paid, Interest, Taxes, and Farm Wage Rates.

Table 19.—Retail prices paid by consumers for dairy products, United States, January 1977 to date, with comparisons 1/

Month	Whole milk and skim milk				Ice cream		Cheese		Butter 2/	
	At stores				prepackaged		American process 4/			
	Whole milk 2/		Skim milk 3/							
	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976
			Cents per $\frac{1}{2}$ gal.			Cents per $\frac{1}{2}$ gal.		Cents per $\frac{1}{2}$ lb.		Cents per lb.
Jan.	83.2	82.1	79.2	77.8	130.5	125.6	87.9	86.2	127.0	129.8
Feb.	83.6	82.7	78.7	77.4	130.7	126.8	84.0	86.7	126.8	123.1
Mar.	83.5	82.8	78.4	77.7	131.2	125.6	84.3	85.6	127.4	117.8
Apr.	83.4	82.6	78.5	77.7	130.2	125.8	84.8	84.9	129.2	119.8
May	83.5	82.0	78.6	77.4	134.7	125.3	85.7	85.7	133.8	120.6
June	83.9	82.2	78.9	77.7	137.0	126.7	86.0	85.8	134.9	121.1
July	81.9		77.3		125.2		85.8		125.9	
Aug.	82.0		77.1		126.3		86.2		133.2	
Sept.	82.9		78.4		128.4		87.7		135.0	
Oct.	84.3		79.3		130.2		88.2		131.0	
Nov.	83.7		79.4		128.7		87.4		128.9	
Dec.	83.3		79.1		131.1		87.7		127.3	
Si. av.	82.7		78.0		127.1		86.5		126.1	

1/ "Estimated Retail Food Prices by Cities," Bureau of Labor Statistics, U.S. Department of Labor.
 2/ 56-city average. 3/ 25-city average. 4/ 45-city average.

Table 20.—Prevailing prices paid by consumers for the most common grade of whole milk, skim milk, ice cream, cheese, American process, and butter, 23 cities, June 1977, with comparisons 1/

Market	Prices at stores				Ice cream		Cheese		Butter	
	Whole milk :: Skim milk				prepackaged		American process			
	June	June	June	June	June	June	June	June	June	June
	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976
			Cents per half gallon			Cents per $\frac{1}{2}$ gal.		Cents per $\frac{1}{2}$ lb.		Cents per lb.
Atlanta, Ga.	100.6	96.8	—	—	125.1	111.9	92.0	88.8	137.1	120.4
Baltimore, Md.	81.5	84.8	—	—	131.9	113.1	89.0	84.2	138.6	120.1
Boston, Mass.	79.7	76.6	—	—	137.6	142.6	81.8	86.0	125.7	128.4
Buffalo, N.Y.	88.2	85.4	—	—	137.8	122.9	85.0	81.3	119.4	109.1
Chicago, Ill.-NW.-Ind.	83.7	82.2	79.3	79.8	134.9	127.4	84.4	79.5	136.4	114.9
Cincinnati, Ohio	81.8	83.1	82.0	79.8	118.2	110.2	83.1	85.1	140.0	131.5
Cleveland, Ohio	77.1	72.3	—	—	123.4	113.5	94.6	89.7	145.0	118.2
Dallas, Texas	89.1	85.6	82.3	78.2	137.9	117.6	87.4	84.1	139.8	127.1
Detroit, Mich.	76.7	73.1	—	—	129.0	116.8	89.1	83.6	129.6	114.3
Honolulu, Hawaii	114.3	109.7	111.6	109.3	165.5	158.2	103.6	97.0	139.7	134.7
Houston, Texas	98.2	96.1	94.5	95.2	154.8	142.2	97.0	103.6	145.5	134.1
Kansas City, Mo.	85.6	81.1	80.5	76.7	126.0	122.3	89.1	83.4	150.9	130.8
Los. Ang.-L. Beach, Ca.	66.1	68.9	57.2	59.0	123.3	111.2	88.6	88.4	134.2	121.2
Milwaukee, Wisc.	82.5	77.2	78.8	73.5	117.8	124.6	90.6	85.4	118.9	109.2
Mpls.-St. Paul, Minn.	77.8	77.0	65.3	64.8	118.3	118.2	99.5	90.6	126.7	113.0
New York, NE. N.J.	86.3	85.5	—	—	166.3	157.4	89.8	85.9	142.8	128.3
Philadelphia, Pa.	88.6	86.3	—	—	157.8	145.0	81.4	78.8	140.8	125.4
Pittsburg, Pa.	81.5	78.2	81.1	77.8	135.0	116.6	86.5	79.7	126.7	119.3
St. Louis, Mo.	83.3	81.4	77.2	77.8	142.8	128.8	91.3	87.1	135.3	119.4
San Diego, Calif.	65.7	70.0	59.1	61.0	131.5	116.2	92.3	89.6	137.0	122.8
San Fran.-Oak., Calif.	70.4	70.8	—	—	132.2	118.1	95.3	90.7	133.1	115.9
Seattle, Wash.	80.6	80.9	76.3	76.7	140.7	138.4	94.8	88.4	127.5	115.4
Washington, D.C.-Md.-Va.	85.8	84.3	71.4	76.5	163.6	140.0	88.8	88.2	143.7	124.4
United States 2/	83.9	82.2	78.9	77.7	137.0	126.7	86.0	85.8	134.9	121.1

1/ "Estimated Retail Food Prices by Cities," Bureau of Labor Statistics, U.S. Dept. of Labor. The primary use of these prices by BLS is for time-to-time rather than place-to-place comparisons.

2/ 56-city average for whole milk and butter, 25-city average for skim milk, and 45-city average for ice cream and cheese, at stores.

Table 21.--U.S. production, January 1977 to date, with comparisons

* Preliminary.

** Partially revised.

1/ "Milk Production," SRS.

2/ "Dairy Products," SRS. Frozen desserts include ice cream, ice milk, and sherbert.

Table 22.--Commercial and government storage holdings, January 1977 to date, with comparisons

Month	Storage Holdings 1/											
	Butter 2/				Total Cheese 2/				Nonfat dry milk			
	Total			Total			Total			Total		
	Commer- cial	Gov't 1977*	1977*	Commer- cial	Gov't 1977*	1977*	Commer- cial 1977	Gov't 1977*	1977*	Commer- cial 3/	Gov't 4/	Total 1976**
Jan.	30.8	36.9	67.6	9.3	480.0	5.7	485.7	362.3	87.8	373.8	461.6	453.7
Feb.	41.7	52.6	94.3	16.5	460.6	10.0	470.6	365.9	84.9	384.7	469.5	460.3
Mar.	44.8	61.6	106.4	31.1	466.1	20.8	486.9	367.9	78.9	386.5	465.4	475.6
Apr.	54.1	74.3	128.5	44.5	489.9	21.5	511.4	393.0	106.6	414.3	520.9	442.0
May	57.3	106.7	164.0	69.1	534.9	23.5	558.5	435.6	119.7	419.1	538.8	463.6
June	74.4	126.9	201.3	80.9	561.1	30.6	591.7	480.6	127.1	452.1	579.2	479.5
July				83.1				511.3				497.2
Aug.				82.4				518.1				505.6
Sept.				68.1				522.5				494.8
Oct.				60.7				501.4				496.0
Nov.				47.4				481.9				479.7
Dec.				47.1				478.4				479.7

* Preliminary.

** Based on partially revised data.

1/ End of month.

2/ "Cold Storage Reports," SRS.

3/ "Dairy Products," SRS.

+ "Summary of Processed Commodities in Store," ASCS.

Table 23.--U.S.D.A. purchases (Delivery basis), January 1977 to date, with comparisons

Month	Butter 1/		American cheese		Nonfat dry milk		Milk equivalent of net U.S.D.A. purchases 2/	
	1977		1976		1977		1976	
	1,000 lb.		1,000 lb.		1,000 lb.		Mil. lb.	
Jan.	32,411	0	17,849	0	32,801	0	6,723	5
Feb.	31,520	0	23,275	0	30,230	0	6,566	6
Mar.	11,599	0	17,796	0	13,899	0	13,367	5
Apr.	25,880	384	6,585	504	37,259	0	18,098	20
May	43,663	0	13,986	1,109	62,967	0	25,345	15
June	35,057	0	23,167	3,058	78,224	0	33,077	33
July		0		6,216		0	38,519	64
Aug.		0		0		0	27,518	3
Sept.		0		0		0	19,345	2
Oct.		4,864		403		0	16,279	18
Nov.		14,215		8,721		0	24,490	383
Dec.		19,953		17,969		0	28,852	592

1/ "Dairy Price Support Activity Report," ASCS.

2/ U.S.D.A. purchases (delivery basis) of butter, cheese, and evaporated milk, minus U.S.D.A. domestic sales for unrestricted use of butter and cheese; include purchases under price support, Section 709, Section 32, and Section 4A programs.

3/ Includes 109 million pounds (milk equivalent) of evaporated milk.

4/ Includes 47 million pounds (milk equivalent) of evaporated milk.

Adjusting In-Area Sales Data for Calendar Composition*

The trend in sales of fluid milk products is one of the more important statistics used to assess the current dairy situation. Tables 8 and 9 of this publication present sales of whole milk items, lowfat and skim milk items, and the total of these in marketing areas as geographically defined by each Federal milk order market. These sales figures reflect not only variation due to trend, but also variations due to seasonality, calendar composition, and randomness. The effect of seasonality is minimized by comparing monthly data for the current year with the same month of the previous year. Since the adjustment process described in this article removes most of the variation due to calendar composition, the adjusted sales data generated by this process can be used to measure trend.

Variation in sales data due to calendar composition results because the number of the types of days—Sundays, Mondays, etc.—that occur in a particular month vary from year to year. For example, in 1976, January had five Thursdays, Fridays, and Saturdays whereas, in 1977, January had five Saturdays, Sundays, and Mondays. In comparing the two months, 1976 had an extra Thursday and 1977 had an extra Monday. Since there is daily variation in fluid milk sales data, sales in January 1976 can be expected to be different than sales in January 1977, because sales on Thursdays are different than sales on Mondays.

Therefore, the key to accounting for monthly calendar variation in fluid milk sales lies in estimating day-to-day variation during the week. A procedure called the 31-30 Day Difference Method was used to develop a set of daily weights which eliminate most of the variation due to calendar composition. ^{1/} These weights are shown in table A.

Table A.—Index of daily variation in weekly in-area sales

<u>Days</u>	<u>Index</u>		
	<u>Whole Milk Items</u>	<u>Lowfat and Skim Milk Items</u>	<u>Total Fluid Milk Items</u>
Sunday	0.0731	-0.0606	0.0511
Monday	1.1939	1.2607	1.1985
Tuesday	1.0586	1.0677	1.0761
Wednesday	1.0080	0.8912	0.9810
Thursday	1.1469	1.1154	1.1284
Friday	1.2812	1.3997	1.3207
Saturday	1.2383	1.3259	1.2442

These indices show how sales on a particular day of the week compare to an average sales day. For example, sales of whole milk items on a Sunday are 7.31 percent of an average sales day whereas sales on a Friday are 128.12 percent of an average sales day.

Monthly Adjustment Factors

To derive factors for adjusting monthly data, the sum of the daily weights for each type of month 2/ was divided by the number of days in that month. For example, a 31-day month beginning on a Sunday has a total weight of 30.2678 for lowfat and skim milk items which, when divided by 31.0, yields an adjustment factor of 0.9764. The adjustment factors for the other types of months are shown in table B.

Table B.—Factors for Adjusting Monthly In-Area Sales for Variations Due to Calendar Composition

Adjusting Factors

First day of month	Whole Milk Items		Lowfat and Skim Milk Items		Total Fluid Milk Items	
	31-day months	30-day months	31-day months	30-day months	31-day months	30-day months
	0.9782	0.9756	0.9764	0.9733	0.9782	0.9750
Sunday	1.0084	1.0084	1.0071	1.0110	1.0082	1.0092
Monday	1.0069	1.0022	1.0024	.9986	1.0060	1.0019
Tuesday	1.0141	1.0052	1.0131	1.0002	1.0139	1.0036
Wednesday	1.0215	1.0143	1.0271	1.0172	1.0224	1.0150
Thursday	.9869	1.0173	.9892	1.0242	.9876	1.0188
Friday	.9840	.9770	.9847	.9755	.9837	.9765

The adjustment factor for all 28-day Februaries is 1.0000. 3/

These adjustment factors reflect how sales in a particular type of month compare to sales in a month in which all the days are average sales days. For example, since the adjustment factor for a 31-day month beginning on a Sunday for total fluid milk items is 0.9782, sales of these items during such a month are lower than during an average-sales-day month. Therefore, sales during such a month need to be adjusted upward before comparisons to a previous year can be made on a comparable basis. Monthly in-area sales are adjusted to a comparable year-to-year basis by dividing the reported sales by the respective adjustment factor. Table C provides a convenient means of finding the factor applicable to any specific month from 1976-78. Table C is shown on the next page.

A word of caution: The daily weights and the monthly adjustment factors derived from them were based on in-area sales of whole milk items, lowfat and skim milk items, and the total of these in the combined marketing areas. They are intended to apply only to combined market sales data. They may not be the best weights and adjustment factors to apply to individual market data or to individual products.

An explanation of the 31-30 Day Difference Method and an evaluation of the weights obtained are contained in an informal Dairy Division report entitled "Adjusting In-Area Fluid Milk Sales Data for Calendar Composition". You can obtain a copy of this report by writing to the Chief, Market Information Branch, Dairy Division, Agricultural Marketing Service, U.S. Department of Agriculture, Washington, DC 20250.

Table C.—Factors for Adjusting In-Area Sales of Whole Milk, Lowfat and Skim Milk Items, and the Total of These for Calendar Composition, by Months, 1976 through 1978

<u>Month</u>	<u>Whole Milk Items</u>		
	<u>1976</u>	<u>1977</u>	<u>1978</u>
January	1.0215	0.9840	0.9782
February	1.0026	1.0000	1.0000
March	1.0084	1.0069	1.0141
April	1.0143	1.0173	.9770
May	.9840	.9782	1.0084
June	1.0022	1.0052	1.0143
July	1.0215	.9869	.9840
August	.9782	1.0084	1.0069
September	1.0052	1.0143	1.0173
October	.9869	.9840	.9782
November	1.0084	1.0022	1.0052
December	1.0141	1.0215	.9869
Year	1.0039	1.0007	.9975

<u>Month</u>	<u>Lowfat and Skim Milk Items</u>		
	<u>1976</u>	<u>1977</u>	<u>1978</u>
January	1.0271	0.9847	0.9764
February	.9978	1.0000	1.0000
March	1.0071	1.0024	1.0131
April	1.0172	1.0242	.9755
May	.9847	.9764	1.0071
June	.9986	1.0002	1.0172
July	1.0271	.9892	.9847
August	.9764	1.0071	1.0024
September	1.0002	1.0172	1.0242
October	.9892	.9847	.9764
November	1.0110	.9986	1.0002
December	1.0131	1.0271	.9892
Year	1.0042	1.0009	.9971

Total Fluid Milk ItemsAdjustment factors

<u>Month</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>
January	1.0224	0.9837	0.9782
February	1.0018	1.0000	1.0000
March	1.0082	1.0060	1.0139
April	1.0150	1.0188	.9765
May	.9837	.9782	1.0082
June	1.0019	1.0036	1.0150
July	1.0224	.9876	.9837
August	.9782	1.0082	1.0060
September	1.0036	1.0150	1.0188
October	.9876	.9837	.9782
November	1.0092	1.0019	1.0036
December	1.0139	1.0224	.9876
Year	1.0040	1.0007	.9974

Comparing Sales in Different Months

A further application of calendar composition adjustment factors is in comparing in-area sales in different months of the same or different years. To accomplish this, it is necessary to employ seasonal indexes as well as calendar composition adjustment factors. Such indexes based on seasonal patterns of the last 14 years are given in table D. These seasonal indices are shown two ways: (1) based on daily average sales, which presents a truer depiction of seasonal variations, and (2) based on total sales, which takes into account the number of days in the month.

Table D.—Seasonal Indexes of In-Area Sales of Whole Milk Items, Lowfat and Skim Milk Items, and the Total of These, based on Data for 1963 through 1976

Month	Whole Milk		Lowfat and Skim Milk Items		Total Fluid Milk Items	
	Items		Milk Items			
	Daily Avg.	Total	Daily Avg.	Total	Daily Avg.	Total
	Sales	Sales	Sales	Sales	Sales	Sales
January	1.0403	1.0605	1.0229	1.0428	1.0374	1.0576
February	1.0380	.9558	1.0329	.9511	1.0375	.9554
March	1.0288	1.0488	1.0342	1.0544	1.0300	1.0501
April	1.0143	1.0007	1.0256	1.0118	1.0167	1.0031
May	.9853	1.0045	.9911	1.0104	.9860	1.0052
June	.9157	.9034	.9630	.9501	.9247	.9123
July	.9089	.9266	.9468	.9652	.9155	.9334
August	.9332	.9514	.9580	.9766	.9375	.9557
September	1.0331	1.0192	1.0024	.9889	1.0270	1.0133
October	1.0519	1.0723	1.0215	1.0414	1.0460	1.0664
November	1.0366	1.0227	1.0096	.9960	1.0315	1.0177
December	1.0139	1.0341	.9920	1.0113	1.0102	1.0298

In order to compare sales in two different months of the same or different years, it is necessary to divide the sales figures by the respective seasonal factors and then by the appropriate calendar composition factors. The two adjusted sales figures can then be compared directly and any difference would reflect only the effects of trend and random variation.

For example, how do January 1977 in-area sales of total fluid milk items compare with sales of these items in April 1977? The procedure is as follows:

(1) For January 1977:

- a. divide in-area sales by the January seasonal factor
 $3,020 \div 1.0576 = 2,856$ million pounds
- b. divide by the January 1977 calendar composition factor
 $2,856 \div 0.9837 = 2,903$ million pounds

(2) For April 1977:

- a. divide in-area sales by the April seasonal factor
 $2,914 \div 1.0031 = 2,905$ million pounds
- b. divide by the April 1977 calendar composition factor
 $2,905 \div 1.0188 = 2,851$ million pounds

Comparing the adjusted sales figures for January 1977, 2,903 million pounds, to the adjusted figure for April 1977, 2851 million pounds, indicated a downward trend between the two months.

A word of caution: The seasonal indexes, like the monthly adjustment factors, are based on in-area sales for combined markets and may not be the best index to apply to individual market data or to individual products within the groups. Also the procedure for comparing sales is only applicable to sales for the same group of markets.

* Prepared by John P. Rourke, Agricultural Economist, Market Information Branch, Dairy Division, Agricultural Marketing Service.

1/ See FMOS-134, issued April 1971.

2/ The type of month can vary depending on which day the month begins and how many days are in the month.

3/ The above factors may be applied either to total monthly sales or daily average sales.

Fluid Milk Processing Plants Owned by Cooperatives in Federal Milk Order
Marketing Areas*

Many cooperatives are involved in the processing of milk into manufactured dairy products. Fluid milk processing operations owned and operated by cooperatives are less widespread. Recently, information was compiled concerning cooperative activity in processing fluid milk products under Federal milk orders.

Handlers regulated under Federal orders process approximately two-thirds of all fluid milk products sold in the United States. During March 1977, there were 934 fluid milk processing plants regulated under Federal orders with a combined monthly output of over 3,719 million pounds of fluid milk products.^{1/} In March 1977, cooperatives owned 83 fluid milk processing plants regulated under Federal orders (8.9 percent of the total regulated fluid milk processing plants). These 83 plants processed a combined total of more than 476 million pounds during the month (12.8 percent of total fluid milk products processed in regulated plants). See table 1.

Highlights of this survey of cooperative-owned fluid milk processing plants, for March 1977, are:

(1) The degree of cooperative activity in fluid milk processing varied widely from market to market. In 17 markets, cooperatives processed no fluid milk products. At the other extreme, in two marketing areas cooperatives processed more than 90 percent of total fluid milk products. In 33 of 50 Federal order markets, cooperatives processed 20 percent or less of the fluid milk products. In seven markets, cooperatives processed more than half of the fluid milk products. See table 2.

(2) On the average, cooperative-owned plants process larger volumes than proprietary plants. Cooperative-owned plants produced a monthly average of 5.7 million pounds of fluid milk products, compared to an all plant average of 4.0 million pounds. See table 3.

(3) Cooperative-owned fluid milk processing plants ranged in size from very small (the smallest reported cooperative processing plant produced about 50,000 pounds of product per month) to quite large (producing over 25,000,000 pounds per month).

(4) A total of 40 cooperatives operated fluid milk processing plants under Federal orders. Twelve cooperatives owned and operated more than one such plant. Four cooperatives each processed more than 40 million pounds of fluid milk products in Federal orders during March 1977. Seventeen cooperatives each processed less than five million pounds of fluid milk products during the month in regulated plants. See tables 4 and 5.

^{1/} For detailed information on number and size of fluid milk processing plants in Federal orders during December 1975, see FMOS-208, April 1977.

*Prepared by Howard D. Leathers, Agricultural Economist, Market Information Branch, Dairy Division, Agricultural Marketing Service.

Table 1.- Fluid Milk Processing Plants Owned or Operated by Cooperatives, March 1977

Region	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Number of cooperatives:	Number of plants with plants:	Total number of plants processing fluid milk:	Cooperative as percent of total:	Pounds of fluid milk processed in cooperative plants:	Total pounds of fluid milk processed:	Cooperative as percent of total:
New England	3	3	95	3.2	6,646	268,390	2.5
Middle-Atlantic	5	8	143	5.6	86,188	732,692	11.8
South Atlantic	4	5	63	7.9	37,026	276,420	13.4
East North Central	14	29	274	10.6	141,089	1,096,478	12.9
West North Central	9	18	117	15.4	101,032	443,411	22.8
East South Central	4	13	189	6.9	61,018	763,083	8.0
West South Central and Mountain	5	7	53	13.2	43,119	138,592	31.1
Total	40*	83	934	8.9	476,118	3,719,066	12.8

Note: For the purpose of this survey, "fluid milk products" include packaged whole milk items, lowfat and skim milk items, cream items, eggnog, and yogurt.

* Regional numbers do not add to total because some cooperatives operate plants in more than one region.

Table 2. - Frequency distribution of the percent of fluid milk products processed in cooperative-owned plants, March 1977

Percent of fluid milk products processed in cooperative plants	:	Number of markets
90.1 - 100.0	:	2
80.1 - 90.0	:	1
70.1 - 80.0	:	3
60.1 - 70.0	:	0
50.1 - 60.0	:	1
40.1 - 50.0	:	1
30.1 - 40.0	:	3
20.1 - 30.0	:	6
10.1 - 20.0	:	6
0.1 - 10.0	:	10
0	:	17
Total	:	50
	:	

Table 3. - Frequency distribution of size of cooperative-owned fluid milk processing plants, March 1977

Volume of fluid milk products processed (1,000 lbs.)	:	Cooperative-owned plants : Number	Percent of total	Volume processed at these plants (1,000 lbs.)	Percent of total
0 - 1,000	:	12	14.5	5,434	1.1
1,001 - 2,000	:	10	12.1	14,255	3.0
2,001 - 3,000	:	7	8.4	16,786	3.5
3,001 - 4,000	:	6	7.2	20,368	4.3
4,001 - 5,000	:	9	10.9	40,648	8.5
5,001 - 7,500	:	16	19.3	96,918	20.4
7,501 - 10,000	:	7	8.4	63,810	13.4
10,001 - 12,500	:	8	9.6	87,777	18.4
12,501 - 15,000	:	4	4.8	53,139	11.2
15,001 - 30,000	:	4	4.8	76,983	16.2
Total	:	83*	100.0	476,118*	100.0
	:			:	

* During March 1977, there were 934 fluid milk processing plants regulated under Federal orders with a combined output of over 3,719 million pounds of fluid milk products.

Table 4. - Frequency distribution of number of fluid processing plants operated by each cooperative, March 1977

<u>Number of processing plants operated by a single cooperative</u>	:	<u>Number of cooperatives</u>
1	:	28
2 - 3	:	6
4 - 5	:	4
6 - 10	:	2
Total	:	40

Table 5. - Frequency distribution of the volume of fluid milk products processed by each cooperative at plants regulated under Federal orders, March 1977

<u>Volume of fluid milk products processed at all plants owned by an organization</u>	:	<u>Number of cooperatives</u>
(1,000 lbs.)	:	
0 - 5,000	:	17
5,001 - 10,000	:	7
10,001 - 15,000	:	8
15,001 - 20,000	:	3
20,001 - 40,000	:	1
40,001 - 60,000	:	4
Total	:	40

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MAJOR ORDER ACTIONS, JUNE 1977

Suspension:

Middle Atlantic - June 10 (42 FR 29848, 6/10/77). This action suspends for the months of May through August 1977 the requirement that at least 50 percent of the receipts of milk at a pool plant be disposed of as Class I milk.